Attachment 5 DA-2016/591/C Compliance Table

65 Flinders Street, 73-75 Flinders Street, 74-76 Keira Street, 78-80 Keira Street, 80-84 Keira Street, 90 Keira Street, 87 Campbell Street WOLLONGONG

SEPP 65 APARTMENT DESIGN GUIDE

Standards/controls	Comment	Comply?
Part 1 – Identifying the context		
 <u>1A Apartment building types</u> Generic apartment building types can be used to: Determine the appropriate scale of future built form Communicate the desired character of an area Assist when testing envelope and development controls to achieve high amenity and environmental performance. 	The development comprises a podium with a C-shaped tower situated around a central courtyard. The tower has frontage to Thomas Street and is set back from Keira Street.	Yes
<u>1B Local character and context</u> This guideline outlines how to define the setting and scale of a development, and involves consideration of the desired future character, common settings and the range of scales.	A context analysis was undertaken by the applicant and refined over successive Design Review Panel meetings. It models likely development on nearby sites and tests the proposed building form for compatibility in the neighbourhood.	Yes
1C Precincts and individual sites		
 Individual sites: New development on individual sites within an established area should carefully respond to neighbouring development and also address the desired future character at the neighbourhood and street scales. Planning and design considerations for managing this include: Site amalgamation where appropriate Corner site and sites with multiple frontages can be more efficient than sites with single frontages Ensure the development potential for adjacent sites is retained Avoid isolated sites that are unable to realise the development potential. 	The site is comprised of multiple allotments, providing two street frontages. Consolidation of allotments is required. Adjoining sites maintain potential for redevelopment in accordance with WLEP 2009.	Yes
<i>Part 2 – Developing the controls</i> These guidelines include tools to support the strategic planning process when preparing planning controls, and aren't relevant to the development assessment of individual proposals.	Not applicable	N/a

Standards/controls	Comment	Comply?
Part 3 Siting the development		
3A Site analysis	Written statement provided.	Yes
Site analysis uses the following key elements to demonstrate that design decisions have been based on opportunities and constraints of the site conditions and their relationship to the surrounding context.	Site analysis plan provided. Consideration of adjoining and nearby development has been demonstrated.	
A written statement explaining how the design of the proposed development has responded to the site analysis	Survey undertaken.	
must accompany the development application.	Aerial and existing streetscape photos provided.	
<u>3B Orientation</u>		
Buildings must be oriented to maximise northern orientation, response to desired character, promote amenity for the	Access is provided at Thomas Street.	Yes
occupant and adjoining properties, retain trees and open spaces and respond to contextual constraints such as overshadowing and noise.	Overshadowing complies with ADG requirements and is assisted by the site topography and location of the	
Objective 3B-1:	towers. Meets 2hr minimum in CBD.	
Building types and layouts respond to the streetscape and site while optimising solar access within the development		
Design Guidance		
- Buildings should define the street by facing it and providing direct access.		
Objective 3B-2		
Overshadowing of neighbouring properties is minimised during mid- winter		
Design Guidance		
- Overshadowing should be minimised to the south or down hill by increased upper level setbacks		
- Refer sections 3D & 4A below for solar access requirements		
 A minimum of 4 hours of solar access should be retained to solar collectors on neighbouring buildings 		
<u>3C Public domain interface</u>		
Key components to consider when designing the interface include entries, private terraces or balconies, fences and walls, changes in level, services locations and planting.	Changes in level have been accommodated in the design. Building entries are adequately	Yes
The design of these elements can influence the real or perceived safety and security of residents, opportunities for social interaction and the identity of the development when viewed from the public domain	defined. Thomas Street has a deep forecourt allowing for the change in level from Keira Street.	
Objective 3C-1:		
Transition between private and public domain is achieved without compromising safety and security		
Design Guidance		
- Terraces, balconies and courtyards should have direct		

Standards/controls	Comment	Comply?
street entry, where appropriate		
 Changes in level between private terraces etc. above street level provide surveillance and improved visual privacy for ground level dwellings. 	Ground floor is comprised of commercial areas and residential common room. Parsons' Lane	
 Front fences and walls along street frontages should use visually permeable materials and treatments. The height of solid fences or walls should be limited to 1m. 	terraces provide surveillance within the site. There are no front fences; the	
- Opportunities should be provided casual interaction between residents and the public domain e.g. seating at building entries, near letterboxes etc.	building sits lower than Thomas Street, and the Keira Street new commercial building is built to the boundary.	
Objective 3C-2:	boundary.	
Amenity of the public domain is retained and enhanced		
Design Guidance	Street tree planting is required.	
 Planting softens the edges of any raised terraces to the street (e.g. basement podium) 	Internal communal open space areas are landscaped.	
- Mailboxes should be located in lobbies perpendicular to street alignment or integrated into front fences.	The garbage room is located in Basement 1.	
- Garbage storage areas, substations, pump rooms and other service requirements should be located in basement car parks.	One substation has been identified on the Thomas Street elevation.	
 Durable, graffiti resistant materials should be used 	A condition of consent is recommended requiring footpath	
- Where development adjoins public parks or open space the design should address this interface.	works in accordance with Council's Public Domain Technical Manual.	
3D Communal and public open space		
Objective 3D-1	Minimum 25% of 4206m ² site =	Yes
An adequate area of communal open space is provided to	1056.5m ² .	100
enhance residential amenity and to provide opportunities for landscaping	The principal outdoor communal open space area on Level 1 is	
Design Criteria	approximately 300m ² . A 139m	
1.Communal open space has a minimum area of 25% of the site area	indoor communal room is also on Level 1.	
 50% direct sunlight provided to principal usable part of communal open space for a minimum of 2 hours between 9am and 3pm on 21 June 	Additional communal spaces are: Parsons' Lane 374m ² , ground floor 97m ² gym, Level 6 132m ² outdoor and 28m ² room.	
Design Guidance	Total provided 1070m ^{2,} which does	
- Communal open space should be consolidated into a well-designed, usable area.	not meet the minimum. Achieves minimum 2hrs (refer	
- Minimum dimension of 3m	shadow diagram).	
 Should be co-located with deep soil areas 		
- Direct & equitable access required		
- Where not possible at ground floor it should be located at podium or roof level.		
- Where developments are unable to achieve the design		

Standards/controls	Comment	Con
zones, or in a dense urban area, they should:		
 provide communal spaces elsewhere such as a landscaped roof top terrace or a common room 		
 provide larger balconies or increased private open space for apartments 		
 demonstrate good proximity to public open space and facilities and/or provide contributions to public open space 		Yes
Objective3D-2		
Communal open space is designed to allow for a range of activities, respond to site conditions and be attractive and inviting		
Design guidance		
 Facilities to be provided in communal open spaces for a range of age groups, and may incorporate seating, barbeque areas, play equipment, swimming pools 	Parsons' Lane contains seating. Whilst the remaining COS areas are generally not detailed, adequate	
Objective 3D-3	opportunity for a range of facilities and experiences is provided.	
Communal open space is designed to maximise safety	COS has good surveillance from	
Design guidance	private areas.	
- Communal open space should be visible from habitable rooms and POS areas and should be well lit.		
Objective 3D-4		
Public open space, where provided, is responsive to the existing pattern and uses of the neighbourhood (N/A in most cases)		
<u>3E Deep soil zones</u>		
Objective 3E-1	Minimum dimension of 6.0m	Yes
3E-1 Deep soil zones provide areas on the site that allow for and support healthy plant and tree growth. They improve	required, with minimum area of 294.42m ² (7%).	
residential amenity and promote management of water and air quality.	The landscape plan identifies location and species of tree	
Design Criteria:	planting.	
1. Deep soil zones for sites exceeding 1500m ² are to meet the following minimum requirements: 7% of site area, 6m dimension	The DSZ is approximately 30m ² . Additional planting on structure is proposed.	
Design guidance:	This is considered satisfactory	
 Deep soil zones should be located to retain existing significant trees. 	having regard to design guidance for CBD sites and ability to successfully plant trees in areas of	
 Achieving design criteria may not be possible on some sites including where; there is 100% site coverage or non-residential uses at ground floor level or the location and building typology have limited or no space for deep soil at ground level (e.g. central business district, constrained sites, high density areas, or in centres). 	these dimensions (refer landscape plan).	

Standards/controls	Comment	Comply?
3F Visual privacy		
Objective 3F-1	The site is surrounded by buildings	No
Adequate building separation distances are shared equitably between neighbouring sites, to achieve reasonable levels of external and internal visual amenity. Design Criteria:	, ,	NO
1. For buildings up to 25m (5-8 storeys) the minimum required separation distances from buildings to the side and rear boundaries are as follows:	The proposed building separation is:	
 Up to 12m (Levels B1- 2) habitable rooms and 	Southern (Lot 854202)	
balconies 6m and non-habitable rooms 3m. Separation distances between towers on same site	Up to 12m: min. 7.6m habitable & min. 9m non-habitable [complies]	
 should combine required building separations. 12-25m (Levels 3-6) habitable rooms and balconies 9m and non-habitable rooms 4.5m. Separation distances between towers on same site should 	12-25m: min. 7.6m habitable apts A304 & A504 [does not comply] & 13m non-habitable [complies]	
combine required building separations. Design Guidance	The non-complying setback to A304 and 504 is considered acceptable as the adjoining Lot 74 is narrow	
- Apartment buildings should have an increased separation distance of 3m (in addition to the above	and unlikely to support a structure of any comparable height.	
requirements) when adjacent to a different zone that permits lower density residential development to provide for a transition in scale.		
 Direct lines of sight should be avoided for windows and balconies across corners 	Up to 12m: min. 6.6m habitable [complies]	
 No separation is required between blank walls 	12-25m: min. 8.9m habitable apts	
<u>Objective 3F-2:</u>	A301 & A501) [does not comply]	
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		
Design Guidance	Northern (Lot 1 DP 742078 & Lot A	
 Communal open space, common areas and access paths should be separated from private open space and 	<u>DP 345880)</u>	
windows to apartments. Design solutions include:	Up to 12m: 5.06m habitable balcony [does not comply]	
· Setbacks,	12-25m: min. 5.07m habitable	
 Solid or partly solid balustrades to balconies 	balcony [does not comply]	
 Fencing or vegetation to separate spaces 	The non-complying setback to the northern allotment is considered	
Screening devices	acceptable as the existing adjoining building is built to the boundary. Aside from the proposed balcony, the northern apartment wall has	
 Raising apartments/private open space above the public domain 		
 Planter boxes incorporated into walls and balustrades to increase visual separation 	only kitchen and bedroom windows.	
 Pergolas or shading devices to limit overlooking 	COS typically is separated by walls	
 Only on constrained sites where it's demonstrated that building layout opportunities are limited – fixed louvres or screen panels 	or planter boxes.	

Standards/controls	Comment	Comply?
 Windows should be offset from the windows of adjoining buildings 		
	No change in zone on adjoining land.	
3G Pedestrian access and entries		Yes
<u>Objective 3G-1</u>	Entry from Keira Stret is via the path and up stairs/lift to the central	
Building entries and pedestrian access connects to and addresses the public domain	podium area at Parsons Lane. This path is not gated or secure and	
Design Guidance	therefore open 24 hrs to non-	
- Multiple entries should be provided to activate the street edge.	residents. The path leads all the way up through the site to Thomas Street via an additional lift.	
 Buildings entries should be clearly identifiable and communal entries should be clearly distinguishable from private entries. 	Building entries on Keira Street are to the new commercial tenancy and existing heritage buildings. Thomas	
Objective 3G-2	Street has the main building entry	
Access, entries and pathways are accessible and easy to identify	via the southern residential foyer. When within Parsons' Lane, the	
Design Guidance	building may not be legible without signage due to the change in levels.	
- Building access areas should be clearly visible from the public domain and communal spaces		
- Steps and ramps should be integrated into the overall building and landscape design.		
Objective 3G-3		
Large sites provide pedestrian links for access to streets and connection to destinations		
<u>3H Vehicle access</u>		
<u>Objective 3H-1</u>	The driveway is located on Thomas	Yes
Vehicle access points are designed and located to achieve safety, minimise conflicts between pedestrians and vehicles and create high quality streetscapes	Street.	
Design Guidance		
- Car park entries should be located behind the building line		
 Access point locations should avoid headlight glare to habitable rooms 		
 Garbage collection, loading and service areas should be screened 		
 Vehicle and pedestrian access should be clearly separated to improve safety. 		
- Where possible, vehicle access points should not dominate the streetscape and be limited to the minimum width possible.		

Standards/controls	Comment	Comply?
3J Bicycle and car parking		
 <u>3J Bicycle and car parking</u> <u>Objective 3J-1</u> Car parking is provided based on proximity to public transport in metropolitan Sydney and centres in regional areas <u>Design Criteria</u> On land zoned, and sites within 400m of land zoned B3 Commercial Core or B4 Mixed Use, or equivalent in a nominated regional centre; The minimum car parking requirement for residents and visitors is set out in the RMS Guide To Traffic Generating Development, or Council's car parking requirement, whichever is less. The car parking needs for a development must be provided off street. <u>Objective 3J-2</u> Parking and facilities are provided for other modes of transport <u>Design Guidance</u> 	The land is located within the B4 zone and therefore, the lesser of RMS or WDCP 2009 applies to the residential component. In this case, the lesser is RMS. WDCP 2009 applies to the business/retail component. The applicant proposes 147 car parking spaces, which includes a surplus of 27 spaces. These have been included in GFA calculations. The final car parking is reflected in the draft condition of consent (no. 27) and is based on residential and business/retail rates in the ADG and WDCP 2009 as it applies to the City Centre B4 zone, including the surplus spaces. Total: cars 147, bicycles 49 and motorcycles 8.	Yes
 Conveniently located and sufficient numbers of parking spaces should be provided for motorbikes and scooters Secure undercover bicycle parking should be provided that is easily accessible from both the public domain and common areas. 		
Objective 3J-3		
Car park design and access is safe and secure Design Guidance	Car parking areas are accessible from lift lobbies.	Yes
 Supporting facilities within car parks (garbage rooms, storage areas, car wash bays) can be accessed without crossing parking spaces A clearly defined and visible lobby or waiting area should be provided to lifts and stairs. Permeable roller doors allow for natural ventilation and improve the safety of car parking areas by enabling passive surveillance. Objective 3J-4 	Garbage room is located in Basement 1. Collection vehicles can stand in loading bay near the garbage room. There is sufficient driveway width to allow other vehicles to pass while garbage vehicle is loading. Car parking entry is located in	
<u>Objective 55-4</u> Visual and environmental impact of underground car parking are minimised	Thomas Street.	
Design Guidance		
 Excavation should be minimised through efficient carpark layouts and ramp design. 		
 Protrusion of carparks should not exceed 1.0m above ground level. 		
 Natural ventilation should be provided to basement and sub-basement car parking areas. 		

Standards/controls	Comment	Comply?
- Ventilation grills or screening devices should be integrated into the façade and landscape design.		
Objective 3J-5		
Visual and environmental impacts of on-grade car parking are minimised		
- On grade car parking should be avoided		
- Design guidelines provided where it's unavoidable		
Objective 3J-6		
Visual and environmental impacts of ground enclosed car parking are minimised		
- Exposed parking should not be located along primary street frontages		
- Positive street address and active street frontages should be provided at ground level.		
Part 4 – Designing the building - Amenity		
4A Solar and daylight access		
Objective 4A-1		
To optimise the number of apartments receiving sunlight to habitable rooms, primary windows and private open space		
Design Criteria	Shadow diagrams are provided.	Yes
1. Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of two (2) hours direct sunlight between 9am and 3pm in mid-winter in Wollongong LGA.	The SEPP 65 design verification statement confirms 71% of apartments achieve 2hrs sunlight to living areas.	
1. A maximum of 15% of apartments in a building receive no direct sunlight between 9am and 3pm at mid-winter	8% would receive no direct sunlight between 9am and 3pm.	
Design Guidance	Window hoods and balcony	
- The design maximises north aspect and the number of single aspect south facing apartments is minimised	projections are provided to some apartments.	
- To optimise the direct sunlight to habitable rooms and balconies, the following design features are used:		
Dual aspect,		
Shallow apartment layouts		
Bay windows		
- To maximise the benefit to residents, a minimum of 1m ² of direct sunlight measured at 1m above floor level, is achieved for at least 15 minutes.		
Objective 4A-2		
Daylight access is maximised where sunlight is limited		
Design Guidance		
- Courtyards, skylights and high level windows (sill heights of 1500m or greater) are used only as secondary light sources in habitable rooms		

Standards/controls	Comment	Comply?
Objective 4A-3		
Design incorporates shading and glare control, particularly for warmer months		
Design Guidance		
Design features can include:		
- Balconies		
- Shading devices or planting		
- Operable shading		
- High performance glass that minimises external glare		
4B natural ventilation		
Objective 4B-1	The SEPP 65 verification statement	Yes
All habitable rooms are naturally ventilated.	confirms 63% of apartments achieve cross-flow ventilation.	
Design Guidance		
- A building's orientation should maximise the prevailing winds for natural ventilation in habitable rooms		
- The area of unobstructed window openings should be equal to at least 5% of the floor area served.		
- Doors and openable windows should have large openable areas to maximise ventilation.		
Objective 4B-2		
The layout and design of single aspect apartments maximises natural ventilation		
Design Guidance		
- Single aspect apartments should use design solutions to maximise natural ventilation.		
Objective 4B-3		
The number of apartments with natural cross ventilation is maximised to create a comfortable indoor environment for residents		
Design Criteria:		
1. 60% of apartments are naturally cross ventilated in the first nine storeys		
2. Overall depth of a cross-over or cross-through apartment does not exceed 18m, measured glass line to glass line.		
4C Ceiling heights		
Objective 4C-1		
Ceiling height achieves sufficient natural ventilation and daylight access		
Design Criteria	All apartments have minimum 2.7m	Yes
1. Minimum 2.7m for habitable rooms and 2.4m for non-	to habitable.	163
habitable rooms	Thomas Street commercial areas have a 3.5m ceiling height, approx.	

Standards/controls	Comment	Comply
Objective 4C-2	2.7m in heritage buildings.	
Ceiling height increases the sense of space in apartments and provides for well-proportioned rooms		
Objective 4C-3		
Ceiling height contribute to the flexibility of building use over the life of the building		
Design Guidance		
 Ceiling heights of lower level apartments in centres should be greater than the minimum required by the design criteria allowing flexibility and conversion to non- residential uses. 		
4D Apartment size and layout		
Objective 4D-1	A schedule of units has been	Yes
The layout of rooms within an apartment is functional, well organised and provides a high standard of amenity	provided. Apartment sizes all exceed ADG size requirements.	
Design Criteria:	The SEPP 65 verification confirms all habitable windows exceed 10%	
1. Minimum internal areas:	of floor area.	
Studio – 35m ²		
1 bed – 50m ²		
2 bed – 70m ²		
3 bed – 90m ²		
The minimum internal areas include only 1 bathroom. Additional bathrooms increase the minimum internal areas by 5m ² each.		
 Every habitable room must have a window in an external wall with a total minimum glass area of at least 10% of the floor area of the room 		
Design Guidance:		
 Where minimum areas are not met, need to demonstrate the usability and functionality of the space with realistically scaled furniture layouts and circulation areas. 		
Objective 4D-2		
Environmental performance of the apartment is maximised		
Design Criteria:		
 Habitable room depths are limited to a maximum of 2.5 x ceiling height 	All habitable rooms are less than 2.5 x ceiling height.	Yes
 In open plan layouts (where the living, dining and kitchen are combined) the maximum habitable room depth is 8m from a window. 	All kitchens (work/preparation area) are less than 8m from a window.	
Design Guidance:		
 Greater than the minimum ceiling heights can allow proportionate increases in room depths. 		
- Where possible, bathrooms and laundries should have		

Standards/controls	Comment	Comply
an external openable window.		
 Main living spaces should be oriented towards the primary outlook. 		
Objective 4D-3		Yes
Apartment layouts are designed to accommodate a variety of household activities and needs	Master bedrooms exceed 10m ² , and are generally 3.5mx4m inc.	
Design Criteria:	wardrobe.	
1. Master bedrooms have a minimum area of 10m ² and other bedrooms 9m ² (excl. wardrobe space)	All living rooms exceed 3.6m wide.	
2. Bedrooms have minimum dimension of 3m (excl. wardrobe)	Air living rooms exceed 5.0m wide.	
3. Living rooms have minimum width of:		
- 3.6m for studio and 1 bed apartments and		
- 4m for 2+ beds.		
4. The width of the crossover or cross through apartments is at least 4m internally to avoid deep narrow apartment layouts.		
Design Guidance:		
 Access to bedrooms, bathrooms and laundries is separated from living areas 		
- Minimum 1.5m length for bedroom wardrobes		
 Main bedroom apartment: minimum 1.8m long x 0.6m deep x 2.1m high wardrobe 		
 Apartment layouts allow for flexibility over time, including furniture removal, spaces for a range of activities and privacy levels within the apartments. 		
4E Private open space and balconies		
Objective 4E-1		
Apartments provide appropriately sized private open space and balconies to enhance residential amenity	The SEPP 65 statement contains a schedule of units. The majority of	No
1. Minimum balcony depths are:	apartments comply, with some 2 bedroom exceptions:	
1 bedroom: minimum area 8m2, minimum depth 2m	A202, A302, A402, A502, B201,	
2 bedroom: minimum area 10m2, minimum depth 2m	B301, B401, B501, B601 - 2 beds	
3+ bedroom: minimum area 12m2, minimum depth 2.4m	and 8m ² [does not comply]	
The minimum balcony depth to be counted as contributing to the balcony area is 1m.	No balcony depth is less than 2.4m. The non-complying balcony depth is	
 Ground level apartment POS must have minimum area of 15m² and min. depth of 3m 	acceptable as the balcony depth exceeds the minimum and these balconies are located on the	
Objective 4E-2	western side, where climate conditions might be unfavourable at certain times.	
Primary private open space and balconies are appropriately located to enhance liveability for residents		
Design Guidance		
- Primary private open space and balconies should be		

Standards/controls	Comment	Comply?
located adjacent to the living room, dining room or kitchen to extend the living space.		
 POS & Balconies should be oriented with the longer side facing outwards to optimise daylight access into adjacent rooms. 		
Objective 4E-3	All POS is located off living areas.	
Primary private open space and balcony design is integrated into and contributes to the overall architectural form and detail of the building		
Design Guidance		
- A combination of solid and transparent materials balances the need for privacy with surveillance of the public domain		
- Full width glass balustrades alone are not desirable		
- Operable screens etc. are used to control sunlight and wind, and provide increased privacy for occupancy while allowing for storage and external clothes drying.	No full width glass balustrades Screen/louvres on south eastern	
Objective 4E-4	balconies	
Private open space and balcony design maximises safety		
Design Guidance		
- Changes in ground levels or landscaping are minimised.		
4F Common circulation and spaces		
Objective 4F-1		
Common circulation spaces achieve good amenity and properly service the number of apartments.	Maximum number of apartments is 8.	Yes
Design Criteria	Two lifts service the apartments	
1. The maximum number of apartments off a circulation core on a single level is eight	(Lobbies A and B).	
2. For buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40.		
Design Guidance		
- Long corridors greater than 12m in length should be articulated through the use of windows or seating.		
- Primary living rooms or bedroom windows should not open directly onto common circulation spaces, whether open or enclosed. Visual and acoustic privacy from common circulation spaces should be controlled.		
Objective 4F-2		
Common circulation spaces promote safety and provide for social interaction between residents	Lift lobbies and foyers provide	Yes
Design Guidance:	adequate areas for interaction.	
- Incidental spaces can be used to provide seating opportunities for residents, and promotes opportunities for social interaction.		

Standards/controls	Comment	Comply?
4G Storage		
Objective 4G-1		
Adequate, well designed storage is provided in each apartment	Storage is located within apartments. Also, the basement car	Yes
1. In addition to storage in kitchens, bathrooms and bedrooms, the following storage is provided	park contains storage areas. This is comprised of areas separate to parking spaces and also adjacent	
1 bedroom: 6m ³	individual spaces.	
2 bedroom: 8m ³		
3+ bedroom: 10m ³		
At least 50% of the required storage is to be located within the apartment		
Objective 4G-2		
Additional storage is conveniently located, accessible and nominated for individual apartments		
Design Guidance:		
- Storage not located within apartments should be allocated to specific apartments.		
4H Acoustic privacy		
<u>Objective 4H-1</u>		
Noise transfer is minimised through the siting of buildings and building layout	Internal apartment layout places wardrobes and bathrooms against	Yes
Design Guidance	each other.	
 Adequate building separation is required (see section 2F above). 	The principal noise source for most apartments is likely to be balconies, which are generally offset and/or	
- Noisy areas within buildings should be located next to or	protected with some screening.	
above each other and quieter areas next to or above quieter areas.	Podium level apartments are likely	
- Storage, circulation areas and non-habitable rooms should be located to buffer noise from external sources.	to experience some noise transmission from communal open space areas, despite landscaping. It is expected that future by-laws would address hours of use of the communal outdoor areas, including Parsons' Lane.	
 Noise sources such as garage doors, plant rooms, active communal open spaces and circulation areas should be located at least 3m away from bedrooms. 		
Objective 4H-2		
Noise impacts are mitigated within apartments through layout and acoustic treatments		
Design Guidance		
 In addition to mindful siting and orientation of the building, acoustic seals and double or triple glazing are effective methods to further reduce noise transmission. 		
4J Noise and pollution		
Objective 4J-1	Construction is required in	Yes
In noisy or hostile environments the impacts of external noise and pollution are minimised through the careful siting	accordance with Building Code of Australia, which requires noise	

Standards/controls	Comment	Comply
and layout of buildings	seals and insulation.	
<u>Design Guidance</u>	Road noise source from Keira	
- Minimise impacts through design solutions such as physical separation from the noise or pollution source,	Street is unlikely to be significant given setbacks.	
Objective 4J-2		
Appropriate noise shielding or attenuation techniques for the building design, construction and choice of materials are used to mitigate noise transmission		
Design guidance:		
- Design solutions include limiting openings to noise sources & providing seals to prevent noise transfer.		
Part 4 – Designing the building - Configuration		
4K Apartment mix		
Objective 4K-1	The development incorporates 1, 2	Yes
A range of apartment types and sizes is provided to cater	and 3 bedroom apartments.	
for different household types now and into the future	10.84% (9) apartments are identified as capable of adaptation.	
Design guidance		
 A variety of apartment types is provided 		
 The apartment mix is appropriate, taking into consideration the location of public transport, market demands, demand for affordable housing, different cultural/social groups 		
 Flexible apartment configurations are provided to support diverse household types and stages of life 		
Objective 4K-2		
The apartment mix is distributed to suitable locations within the building		
Design guidance		
- Larger apartment types are located on the ground or roof level where there is potential for more open space and on corners where more building frontage is available		
4L Ground floor apartments		
Objective 4L-1		
Street frontage activity is maximised where ground floor apartments are located	apartments are proposed as	N/a
Design guidance	required by WLEP 2009.	
 Direct street access should be provided to ground floor apartments 		
- Activity is achieved through front gardens, terraces and the facade of the building.		
 Ground floor apartment layouts support small office home office (SOHO) use to provide future opportunities for conversion into commercial or retail areas. In these 		

	Comment	Comply
cases provide higher floor to ceiling heights and ground floor amenities for easy conversion		
Objective 4L-2		
Design of ground floor apartments delivers amenity and safety for residents		
Design guidance		
 The design of courtyards should balance the need for privacy of ground floor apartments with surveillance of public spaces. Design solutions include: 		
 elevation of private gardens and terraces above the street level by 1-1.5m (see figure 4L.4) 		
 landscaping and private courtyards 		
 window sill heights that minimise sight lines into apartments 		
 integrating balustrades, safety bars or screens with the exterior design 		
- Solar access should be maximised through:		
 high ceilings and tall windows 		
 trees and shrubs that allow solar access in winter and shade in summer 		
4M Facades		
UDJECTIVE 4M-1		
<u>Objective 4M-1</u> Building facades provide visual interest along the street while respecting the character of the local area	A schedule of finishes has been provided however the colour choice	No
Building facades provide visual interest along the street while respecting the character of the local area	provided however the colour choice of strong bright green is	No
Building facades provide visual interest along the street while respecting the character of the local area	provided however the colour choice	No
Building facades provide visual interest along the street while respecting the character of the local area Design guidance - To ensure that building elements are integrated into the	provided however the colour choice of strong bright green is questionable in terms of the Keira Street heritage precinct. A condition	No
 Building facades provide visual interest along the street while respecting the character of the local area Design guidance To ensure that building elements are integrated into the overall building form and façade design The front building facades should include a composition of varied building elements, textures, materials, detail and colour and a defined base, middle and top of 	provided however the colour choice of strong bright green is questionable in terms of the Keira Street heritage precinct. A condition of consent is recommended requiring alternative colours and materials, endorsed by the	No
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Standards/controls	Comment	Comply?
4N Roof design		
Objective 4N-1	The roof is flat as the floor below	No
Roof treatments are integrated into the building design and positively respond to other street	takes the building to maximum height. Non trafficable roof.	
Design guidance		
- Roof design should use materials and a pitched form complementary to the building and adjacent buildings.		
Objective 4N-2		
Opportunities to use roof space for residential accommodation and open space are maximised		
Design guidance		
- Habitable roof space should be provided with good levels of amenity.		
 Open space is provided on roof tops subject to acceptable visual and acoustic privacy, comfort levels, safety and security considerations 		
Objective 4N-3		
Roof design incorporates sustainability features		
Design guidance		
- Roof design maximises solar access to apartments during winter and provides shade during summer		
40 Landscape design	Landscape plans by Ochre	Yes
Objective 40-1	Landscape Architects have been provided.	
Landscape design is viable and sustainable	Planting and maintenance details	
Design guidance	are provided.	
- Landscape design should be environmentally sustainable and can enhance environmental performance		
- Ongoing maintenance plans should be prepared		
Objective 40-2		
Landscape design contributes to the streetscape and amenity		
Design guidance		
 Landscape design responds to the existing site conditions including: 		
changes of levels		
• views		
 significant landscape features 		
4P Planting on Structures		
Objective 4P-1	A small 30m ² area of true deep soil	Yes
Appropriate soil profiles are provided	zone is provided. The remainder of	

Standards/controls	Comment	Comply?
Design guidance	site landscaping is on structure.	
- Structures are reinforced for additional saturated soil weight	A variety of plants is proposed and contributes to specific character/purpose of the communal	
- Minimum soil standards for plant sizes should be provided in accordance with Table 5	open space areas.	
Objective 4P-2	Large and medium shrubs are proposed on the communal open	
Plant growth is optimised with appropriate selection and maintenance	space/private open space interface.	
Design guidance		
- Plants are suited to site conditions		
Objective 4P-3		
Planting on structures contributes to the quality and amenity of communal and public open spaces		
Design guidance		
 Building design incorporates opportunities for planting on structures. Design solutions may include: 		
 green walls with specialised lighting for indoor green walls 		
 wall design that incorporates planting 		
 green roofs, particularly where roofs are visible from the public domain 		
planter boxes		
4Q Universal design		
Objective 4Q-1	10.84 % of apartments are	Yes
Universal design features are included in apartment design to promote flexible housing for all community members	identified as adaptable dwellings. This complies with WDCP 2009.	
Design guidance		
 A universally designed apartment provides design features such as wider circulation spaces, reinforced bathroom walls and easy to reach and operate fixtures 		
Objective 4Q-2		
A variety of apartments with adaptable designs are provided		
Design guidance		
- Adaptable housing should be provided in accordance with the relevant council policy		
Objective 4Q-3		
Apartment layouts are flexible and accommodate a range of lifestyle needs		
Design guidance		
- Apartment design incorporates flexible design solutions		
		1

Standards/controls	Comment	Comply
Objective 4R-1		
New additions to existing buildings are contemporary and complementary and enhance an area's identity and sense of place	Alterations to two heritage buildings are proposed.	Yes
4S Mixed use		
Objective 4S-1		
Mixed use developments are provided in appropriate locations and provide active street frontages that encourage pedestrian movement	The development contains commercial tenancies at ground floor Thomas and Keira Streets and	Yes
Design guidance	residential above.	
 Mixed use development should be concentrated around public transport and centres 	Separate services, access and facilities are provided for residential and non-residential tenants.	
 Mixed use developments positively contribute to the public domain. 	The heritage buildings would rely on waste services and car parking	
Objective 4S-2	within the main building. Strata	
Residential levels of the building are integrated within the development, and safety and amenity is maximised for residents	subdivision is not proposed in this application.	
Design guidance		
- Residential circulation areas should be clearly defined.		
 Landscaped communal open space should be provided at podium or roof levels 		
4T Awnings and signage		
Objective 4T-1		
Awnings are well located and complement and integrate with the building design	Awnings are integrated in to the building design.	Yes
Design guidance	No specific signage is proposed.	
 Awnings should be located along streets with high pedestrian activity and active frontages 	Signage will require separate development consent unless exempt.	
Objective 4T-2		
Signage responds to the context and desired streetscape character		
Design guidance		
 Signage should be integrated into the building design and respond to the scale, proportion and detailing of the development 		
Part 4 – Designing the building - Configuration		
4U Energy efficiency	A BASIX certificate and solar	Yes
Objective 4U-1	access report have been submitted.	
Development incorporates passive environmental design		
Design guidance		
- Adequate natural light is provided to habitable rooms		

Standards/controls	Comment	Comply
(see 4A Solar and daylight access)		
Objective 4U-2		
Development incorporates passive solar design to optimise heat storage in winter and reduce heat transfer in summer		
Design Guidance		
 Provision of consolidated heating and cooling infrastructure should be located in a centralised location 		
Objective 4U-3		
Adequate natural ventilation minimises the need for mechanical ventilation		
4V Water management and conservation	A Water Sensitive Urban Design	Yes
Objective 4V-1	strategy is required to be implemented.	
Potable water use is minimised	implemented.	
Objective 4V-2		
Urban stormwater is treated on site before being discharged to receiving waters		
Design guidance		
 Water sensitive urban design systems are designed by a suitably qualified professional 		
Objective 4V-3		
Flood management systems are integrated into site design		
Design guidance		
- Detention tanks should be located under paved areas, driveways or in basement car parks		
4W Waste management		
Objective 4W-1	A waste management plan has	Yes
Waste storage facilities are designed to minimise impacts on the streetscape, building entry and amenity of residents	been provided. Waste storage and collection would	
Design guidance	occur in Basement 1, which is accessible by all commercial	
 Common waste and recycling areas should be screened from view and well ventilated 	tenants and residents.	
Objective 4W-2		
Domestic waste is minimised by providing safe and convenient source separation and recycling		
Design guidance		
 Communal waste and recycling rooms are in convenient and accessible locations related to each vertical core 		
 For mixed use developments, residential waste and recycling storage areas and access should be separate and secure from other uses 		
- Alternative waste disposal, such as composting, can be incorporated into the design of communal open space		

Standards/controls	Comment	Comply?
areas		
<u>4X Building maintenance</u> <u>Objective 4X-1</u> Building design detail provides protection from weathering <u>Design guidance</u>	All plant areas are located within parking levels. Service risers are centralised. Access to service areas is provided.	Yes
 Design solutions such as roof overhangs to protect walls and hoods over windows and doors to protect openings can be used. 	Windows can be cleaned via balconies.	
Objective 4X-2		
Systems and access enable ease of maintenance		
Design guidance		
- Window design enables cleaning from the inside of the Building		
Objective 4X-3		
Material selection reduces ongoing maintenance costs easily cleaned surfaces that are graffiti resistant		

CHAPTER D13 – WOLLONGONG CITY CENTRE

The site is located within the Wollongong City Centre, as defined in WLEP 2009 and WDCP 2009. Chapter D13 applies to the development and prevails over other parts of the DCP where there is any inconsistency. Relevant provisions are addressed in Table 2 below.

Table 2: WDCP 2009

2 Building form

Objectives/controls	Comment	Satisfactory?
2.1 General Building form and character refers to the individual elements of building design that collectively contribute to the character and appearance of the built environment. Wollongong City Centre LEP includes provisions for land use, building heights and sun access planes, floor space ratio and design excellence. The building form provisions are intended to encourage high quality design for new buildings, balancing character of Wollongong with innovation and creativity. The resulting built form and character of new development should contribute to an attractive public domain in central Wollongong and produce a desirable setting for its intended uses.	Building separation does not in part strictly comply with WLEP 2009 or the ADG, however is acceptable. Council's Design Review Panel has reviewed the development on two occasions. The final revised proposal satisfactorily resolves DRP concerns.	Yes
 <u>2.2 Building to street alignment and street</u> <u>setbacks</u> B4 zone: 4m minimum setback Flinders Street. 	Nil setback to Keira Street (continues existing street pattern) and minimum 4.4m to Thomas Street. setback provided.	Yes
2.4 Building depth and bulk		
Maximum 900m ² floor plate size and 18m depth for residential outside the Commercial Core that is above 12m height		No
2.5 Side and rear building setbacks and building separation		
<u>Up to 12m</u> Residential uses (habitable rooms and balconies) up to 12m in height: minimum 6m side setback and 6m rear setback Residential uses (non-habitable rooms) up to 12m in height: minimum 3m side and 4.5m rear	Refer ADG for setbacks. WDCP setback requirements in part exceed the ADG requirements. Where that applies, compliance with the ADG is considered satisfactory.	No
setback		
Residential uses (habitable rooms and balconies) between 12m and 24m in height: minimum 9m side setback and 9m rear setback		
12m in height: minimum 3m side and 4.5m rear setback <u>12-24m</u> Residential uses (habitable rooms and balconies) between 12m and 24m in height:		

Objectives/controls	Comment	Satisfactory?
12m and 24m in height: minimum 4.5 side setback and 4.5m rear setback		
Commercial uses up to 24m in height: minimum 3m side setback and 9m rear setback		
2.6 Mixed used buildings		
Minimum 3.3m ceiling heights for commercial space	Commercial ceiling heights are 3.5 floor to floor.	Yes
Separate commercial service areas from residential access	The car parking levels provide separate residential and service	
Locate clearly demarcated residential entries from the public street	areas The residential entries are identifiable.	
2.7 Deep soil zone		
Minimum 15% of site area shall be deep soil zone	15% of $4306m^2 = 630.9m^2$ This requirement exceeds the	No
For a residential component of mixed use buildings, required deep soil zone may be reduced.	amount required by the ADG.	
2.8 Landscape design		
A landscape plan must be provided.	Council's landscape officer has no objection	Yes
2.9 Planting on structures		
Provide soil depth appropriate for plant type and structure	Council's landscape officer has no objection	Yes
3 Pedestrian amenities	·	
Objectives/controls	Comment	Satisfactory ?
3.3 Active street frontages		
Residential developments are to provide a clear street address and direct pedestrian access off the primary street front, and allow for residents to overlook all surrounding streets	on the lower level of the development	Yes
3.4 Safety and security		
Ensure adequate lighting, surveillance and good lines of sight. Provide security access where required.		Yes
3.6 Vehicular footpath crossings		
One vehicle access point only will generally be	One driveway is proposed in Thomas	Yes

 One vehicle access point only will generally be permitted.
 One driveway is proposed in Thomas Yes

 Street.
 RMS has indicated they have no objection to the arrangement.

3.8 Building exteriors		
Adjoining buildings should be considered. Balconies should be provided. External walls should be articulated. External materials should be of high quality and durable.		Yes
3.9 Advertising and signage		
	It is recommended a condition of consent is applied requiring separate development consent for specific signs. This is required to ensure visual cohesion for the commercial elevations.	Yes
3.10 Views and view corridors		
Maintain and enhance views to the foreshore and escarpment, where practical.	The site is located within the distant panoramic view corridor identified in figure 3.12. The proposed height complies with the maximum 24m permitted in WLEP 2009. Escarpment views would be available from the development, however would block some views from existing apartments in Thomas Street.	Yes

4 Access, parking and servicing

Objectives/controls	Comment	Satisfactory ?
4.2 Pedestrian access and mobility		
Main building entry should be clearly visible. Development must provide at least one main pedestrian entrance with convenient barrier free access in all developments to at least the ground floor. Development must provide continuous access paths of travel from all public roads and spaces as well as unimpeded internal access. Building entrance levels and footpaths must comply with the longitudinal and cross grades specified in AS 1428.1:2001, AS/NZS 2890.1:2004 and the Disability Discrimination Act.	available in Thomas and Keira Streets.	Yes
4.3 Vehicular driveways and manoeuvring areas		
All vehicles must enter and exit in forward direction with maximum 3-point turn. Driveway widths and dimensions and car space widths and dimensions must comply with Australian Standards. Semi-pervious materials on driveway to provide for stormwater filtration.	have no objection to the proposed development.	Yes

4.4 On-site parking		
Parking must be on-site and meet AS2890.1 2004 (as amended).	Parking , including calculations, is discussed in relation to the ADG above.	Yes
4.5 Site facilities and services		
Provide mailboxes in one accessible location. Locate satellite dish and telecommunication antennae, air conditioning units, ventilation stacks and any ancillary structures: I) Away from the street frontage, and ii) Integrated into the roof scape design All development is to adequately accommodate waste handling and storage on-site. The development must ensure that adequate provision has been made for all essential services including water, sewerage, electricity and telecommunications and stormwater drainage.	Mailboxes can be accommodated in residential lobbies. Waste storage is proposed in Basement 1. Utility connection approvals are required prior to Construction Certificate.	Yes
5 Environmental management		
Objectives/controls	Comment	Satisfactory ?
5.2 Energy efficiency and conservation		
New dwellings are to comply with SEPP (BASIX)	A BASIX certificate has been provided	Yes
5.3 Water conservation		
New dwellings are to comply with SEPP (BASIX)	A BASIX certificate has been provided	Yes
5.4 Reflectivity		
Visible light reflectivity from building materials used on facades of new buildings should not exceed 20%.	Light reflectivity is not a concern.	Yes
5.6 Waste and recycling		
A site waste minimisation and management plan is required.	A site waste minimisation and management plan has been provided.	Yes
6 Residential development standards		
Objectives/controls	Comment	Satisfactory ?
6.1 SEPP 65 and residential flat design code		

6.1 SEPP 65 and residential flat design code		
SEPP 65 controls are adopted	Refer SEPP 65 discussion	Yes
6.2 Housing choice and mix		
Minimum 10% of all units are to be capable of adaptation	9 (i.e. 10.84%) units are adaptable	Yes
6.6 Basement Carparks		
The roof of any basement podium, measured to the top of any solid wall located on the podium, must not be greater than 1.2m above natural or	to accommodate the slope of the site,	Yes

Objectives/controls	Comment	Satisfactory ?
finished ground level, when measured at any point on the outside walls of the building. Where height of basement podium is less than 1.2m above ground level, the basement may be located on the boundary. Any portion which exceeds 1.2m, must be set back from boundaries by a ratio of 1:1, with a minimum setback of 1.5m.	Services are shown on each parking level.	
Ventilation structures and air conditioning ducts must be located away from windows of habitable rooms and private open space areas.		
Basements must be protected from inundation by 100-year ARI flood levels.		
6.7 Communal open space		
Minimum 5m ² of communal open space is required for each apartment in developments containing more than 10 apartments	83 apartments are proposed i.e. 415m ² . The communal spaces exceed this amount.	Yes
<u>6.8 Private open space</u>		
Private open space in the form of balcony or terrace is required for each apartment	All residential apartments are provided with private open space in the form of a balcony or terrace.	Yes
6.9 Overshadowing		
Adjacent residential buildings and their public spaces must receive at least 3 hours of direct sunlight between 9.00am and 3.00pm on 21 June.		Yes
The design of the development must have regard to the existing and proposed level of sunlight which is received by living areas and private open space areas of adjacent dwellings. Sensitive design must aim to retain the maximum amount of sunlight for adjacent residents. Council will place greatest emphasis on the retention of sunlight within the lower density residential areas. In areas undergoing change, the impact of overshadowing on development likely to be built on adjoining sites must be considered, in addition to the impacts on existing development. <u>6.10 Solar access</u>		
Shading devices should be utilised where necessary, particularly where windows of habitable rooms are located on the western elevation. The living rooms and private open space of at least 70% of apartments should receive a minimum of three hours of direct sunlight between 9.00am and 3.00pm. The number of single aspect apartments with a southerly aspect (south-westerly to south- easterly) is limited to a maximum of 10% of the total number of apartments proposed.	The ADG requires minimum 2hrs. The development complies with ADG requirements and is considered satisfactory. Shading devices are proposed.	Yes

Objectives/controls	Comment	Satisfactory ?
6.11 Natural ventilation		
A minimum of sixty percent (60%) of all residential apartments shall be naturally cross ventilated.		Yes
6.12 Visual privacy		
The internal layout of buildings should be designed to minimise any direct overlooking impacts occurring upon habitable rooms and private balcony/open space courtyards, wherever possible by separating communal open space and public domain areas from windows of rooms, particularly sleeping room and living room areas.	located adjacent to private open space, screening and landscaping provides adequate separation.	Yes
8 Works in the public domain		
Any works within the public domain are to be in accordance with the Public Domain Technical Manual (Appendix 2 WDCP 2009)	Council's landscape officer has reviewed the proposed public domain works and has no objection. A standard condition requiring compliance with the Public Domain Technical Manual is recommended.	Yes

Special areas: the site is located within the Keira Street special use area. Whilst Council's heritage officer is of the view that the proposed building bulk at times conflicts with the recommendations for the special area, it is noted that the recent construction of 10 Thomas Street introduces a different architectural setting than that contemplated by the WDCP 2009 controls. In that regard, the proposed conditions of consent are considered to adequately provide for the alterations and conservation of the two heritage buildings within the site.

CHAPTER B1 – RESIDENTIAL DEVELOPMENT

These controls are superseded by Chapter D13 and the ADG.

CHAPTER B3 – MIXED USE DEVELOPMENT

The building contains commercial tenancies in the new Keira Street one-storey building and on the ground floor of Thomas Street. These offer active use at ground level and do not exceed the maximum individual floor area set by WLEP 2009. A future café has been identified on the northern Thomas Street elevation, which directly adjoins seating, landscaping and the through-site link.

Separate waste and car parking facilities are provided for commercial tenants.

CHAPTER B4 – DEVELOPMENT IN BUSINESS ZONES

The proposed commercial tenancies are consistent with the hierarchy controls for the Wollongong City Centre.

CHAPTER E1 – ACCESS FOR PEOPLE WITH A DISABILITY

Barrier-free access is provided to commercial and residential parts of the building. Communal open space and basement services are also accessible.

CHAPTER E2 - CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN

CPTED is addressed in the Statement of Environmental Effects. Security arrangements have not been detailed at development application stage, but access control is expected on residential floors and shared facilities like storage and waste rooms.

Integrated building features such as floorplan layout and the through site link adequately provides passive surveillance. It is recommended that adequate lighting and internal courtyard fencing within the Parsons Lane area is installed, as this is a communal area.

CHAPTER E3 – CAR PARKING, ACCESS, SERVICING/LOADING FACILITIES AND TRAFFIC MANAGEMENT

The applicant proposes surplus car parking, which has been included in gross floor area calculations. The ADG specifies that the lesser of RMS and WDCP 2009 rates apply, which in this case is the RMS rates.

All car parking is provided within three basement levels, accessed only from Thomas Street. Council and RMS has no objection to the basement layout, manoeuvring areas or driveway location.

CHAPTER E7 – WASTE MANAGEMENT

Separate commercial and residential waste rooms are located in Basement 1. A condition of consent is recommended requiring all waste storage and collection to occur within the building.

CHAPTER E11 – HERITAGE CONSERVATION

It is acknowledged in the GML Heritage reports and by Council's heritage officer that the construction of a 24m building of this scale directly behind the Keira Street heritage buildings and in proximity to St Michael's Church and heritage buildings in Stewart Street is likely to have an adverse impact on the character of this area. However, WLEP 2009 does not legislate a reduced height or floor space ratio for this unique site. The building bulk has been reduced somewhat as a result of the Design Review Panel (DRP) process, and in particular the Thomas Street elevation now has more modulation and articulation. Building separation to the south has increased marginally, however does not strictly comply with the ADG or WLEP 2009 in all areas. Building separation was considered by the DRP and the variable nature of the existing boundary conditions was acknowledged.

Some aspects of management of the two on-site heritage buildings are unresolved at this time, however are addressed in conditions of consent. These conditions include;

- · Detailed schedule of works regarding BCA compliance
- · Completion of all conservation works recommended in the GML Heritage reports
- Archival recording
- Preparation of an implementation plan
- Costed maintenance program
- Revised schedule of external finishes

CHAPTER E14 – STORMWATER MANAGEMENT

A drainage concept plan has been provided and is acceptable. Conditions of consent are recommended with regard to stormwater disposal.

CHAPTER E15 – WATER SENSITIVE URBAN DESIGN

The stormwater concept contains water sensitive urban design strategy. A condition of consent is recommended which requires installation of the measures prior to issue of the Occupation certificate.

CHAPTER E17 – PRESERVATION AND MANAGEMENT OF TREES AND VEGETATION

Tree removal is proposed as shown on the landscape plan and discussed in the arborist report prepared by Allied Tree Consultancy. Council's landscape officer has no objection to the proposed tree removal.

CHAPTER E21 – DEMOLITION

Demolition of all structures (with the exception of partial demolition of the heritage buildings) is proposed. A demolition work plan has been provided. Conditions of consent are recommended which relate to asbestos handling and disposal, neighbour notification of demolition and liaison with WorkSafe NSW.