# Proposed BWL Seniors Housing Redevelopment 51-57 & 59 Masons Parade Point Frederick

**JWP Compliance Review** 

#### **NSW Department of Planning and Environment**

## **Apartment Design Guide**

July 2015

## Part 2 Developing Controls

| Item                                                                                                                                                                                                                                                                                                                                                                  | Design Criteria                                                                                                                                                                                                                                                                                                    | Compliance         | Design Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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|                                                                                                                                                                                                                                                                                                                                                                       | Part 2A Pri                                                                                                                                                                                                                                                                                                        | mary Controls      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Primary develop                                                                                                                                                                                                                                                                                                                                                       | ment controls include building height, floor                                                                                                                                                                                                                                                                       | space ratio, build | ding depth, building separation and setbacks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                       | Part 2B Build                                                                                                                                                                                                                                                                                                      | ding Envelopes     | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A building envelope is a three<br>dimensional volume that defines<br>the outermost part of a site that the<br>building can occupy.<br>Building envelopes set the<br>appropriate scale of future<br>development in terms of bulk and<br>height relative to the streetscape,<br>public and private open spaces,<br>and block and lot sizes in a<br>particular location. | A building envelope should be 25-30%<br>greater than the achievable floor area (see<br>section 2D Floor space ratio) to allow for<br>building components that do not count as<br>floor space but contribute to building<br>design and articulation such as balconies,<br>lifts, stairs and open circulation space. |                    | The existing urban footprint in the area is a mixture of low rise<br>and medium density development, with predominantly retail<br>and commercial along Mann Street and residential<br>development on the city edges towards Point Frederick.<br>The Central Coast Hwy wrapping the water's edge acts to<br>separate pedestrian and visual connections to the water,<br>particularly from a mix of 1 and 2 storey buildings along<br>Masons Parade. Densifying development supports the DCPs<br>approach of connecting the city to Gosford's natural settings.<br>The proposal seeks to amend the height controls on the<br>subject site to match the neighbouring properties and allow a<br>consistent approach to development, providing a more<br>harmonious streetscape to the water's edge.<br>The current SEPP controls nominate a 15m height limit. This<br>creates an inconsistency to the streetscape character framing<br>the water and the adjacent green space.<br>Through careful design and breaks in the form to avoid a<br>continuous built edge, the proposal is to increase the allowable<br>height in the precinct to 26m. |

| Item                                                                                                                                                                                                                                                                                                                                                              | Design Criteria                                                                                                                                                                                                                                                                                  | Compliance     | Design Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                                                                                                                                                                                                                                                                                                                                                                   | Part 2C Bu                                                                                                                                                                                                                                                                                       | uilding Height |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Height controls should be informed<br>by decisions about daylight and<br>solar access, roof design and use,<br>wind protection, residential amenity<br>and in response to landform and<br>heritage.                                                                                                                                                               | Develop site-specific building envelopes<br>and heights within a development<br>control plan for large or complex sites<br>such as those on steep slopes and<br>those with changing topography. These<br>specific heights need to be achievable<br>within the building height set in the LEP     | $\checkmark$   | The maximum building height is 15m per the Gosford City<br>SEPP. The proposal exceeds the maximum height<br>requirement, invoking Clause 8.4 – Exceptions to Height and<br>Floor Space in Zones B3, B4 and B6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                   | Part 2D Floo                                                                                                                                                                                                                                                                                     | or Space Ratio |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Floor space ratio (FSR) is the<br>relationship of the total gross floor<br>area (GFA) of a building relative to<br>the total site area it is built on. It<br>indicates the intended density. FSR<br>is a widely used method for<br>estimating the development<br>potential of a site.                                                                             | The allowable gross floor area should only<br>'fill' approximately 70% of the building<br>envelope (see section 2B Building<br>envelopes).                                                                                                                                                       | $\checkmark$   | Gosford City SEPP FSR for the site is 2:1. The proposal has<br>an FSR of 0.76:1 and is compliant with the FSR provision.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                   | Part 2E Bu                                                                                                                                                                                                                                                                                       | uilding Depth  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Building depth is an important tool<br>for determining the development<br>capacity of a site. It is the overall<br>cross section dimension of a<br>building envelope. Building depth<br>dimensions typically include<br>articulation such as projecting<br>balconies, gallery access, eaves,<br>overhangs, sun hoods, blades and<br>other architectural features. | Use a range of appropriate maximum<br>apartment depths of 12-18m from glass<br>line to glass line when precinct planning<br>and testing development controls. This will<br>ensure that apartments receive adequate<br>daylight and natural ventilation and<br>optimise natural cross ventilation | $\checkmark$   | The apartments have a variety of depths and use corner units / cross through units to assist with ventilation. A wide central courtyard means all units are cross through units and are less than 14m in depth. All 54 units (100%) achieve cross ventilation. The building is orientated to address Masons Parade and significant views to Brisbane Water facing west, south/west. The northern and north/eastern elevations step down to bring natural light and ventilation into the courtyard. The courtyard is used as a secondary light source to the apartments. The courtyard is fully open to the sky, light coloured external walls and lift shaft are used to assist in reflecting natural light into the courtyard. |

| Item                                                                                                                                                                                                                                                                                                                        | Design Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Compliance      | Design Response                                                                                                                                                                   |
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|                                                                                                                                                                                                                                                                                                                             | Part 2F Build                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ling Separatior | n                                                                                                                                                                                 |
| Street setbacks establish the<br>alignment of buildings along the<br>street frontage, spatially defining<br>the width of the street. Combined<br>with building height and road<br>reservation, street setbacks define<br>the proportion and scale of the<br>street and contribute to the<br>character of the public domain. | <ul> <li>Minimum separation distances for<br/>buildings are:</li> <li>Up to four storeys (approx. 12m): <ul> <li>12m between habitable<br/>rooms/balconies</li> <li>9m between habitable and non-<br/>habitable rooms</li> <li>6m between non-habitable<br/>rooms</li> </ul> </li> <li>Five to eight storeys (approx. 25m): <ul> <li>18m between habitable<br/>rooms/balconies</li> <li>12m between habitable<br/>rooms/balconies</li> <li>12m between habitable<br/>and<br/>non-habitable rooms</li> <li>9m between non-habitable<br/>rooms</li> </ul> </li> </ul> |                 | Complies. The separation distances for the building are:<br>Ground to 4 <sup>th</sup> floor – 12m (6m each site)<br>5 <sup>th</sup> & 6 <sup>th</sup> floor – 18m (9m each site). |
|                                                                                                                                                                                                                                                                                                                             | Part 2G Str                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | eet Setbacks    |                                                                                                                                                                                   |
| Street setbacks establish the<br>alignment of buildings along the<br>street frontage, spatially defining<br>the width of the street. Combined<br>with building height and road<br>reservation, street setbacks define<br>the proportion and scale of the<br>street and contribute to the<br>character of the public domain  | Align street setbacks with building use. For<br>example in mixed use buildings a zero<br>street setback is appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\checkmark$    | The proposed street setback is zero, in line with the existing mixed use buildings along the street.                                                                              |

| Item                                                                                                                                                                                                                                                                    | Design Criteria                                                                                                                                                                                                                                                                                            | Compliance     | Design Response                                                                                                                                                   |
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|                                                                                                                                                                                                                                                                         | Part 2H Side a                                                                                                                                                                                                                                                                                             | nd Rear Setbac | ks                                                                                                                                                                |
| Side and rear setbacks govern the<br>distance of a building from the side<br>and rear site boundaries and are<br>related to the height of the building.<br>They are important tools for<br>achieving amenity for new<br>development and buildings on<br>adjacent sites. | Test side and rear setbacks with height<br>controls for overshadowing of the site,<br>adjoining properties and open spaces. Test<br>side and rear setbacks with the<br>requirements for:<br>• building separation and visual privacy<br>• communal and private open space<br>• deep soil zone requirements | ~              | The proposed side setbacks are in accordance with the<br>building separation guidelines.<br>Proposed rear setbacks are governed by the landscape<br>requirements. |

| Item                                                                                                                                                                                                           | Design Guidance                                                                                                                                                                                                                                                                                            | Compliance   | Design Response                                                                                                                                    |
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|                                                                                                                                                                                                                | Part 3A S                                                                                                                                                                                                                                                                                                  | ite analysis |                                                                                                                                                    |
| <b>Objective 3A-1</b> Site analysis<br>illustrates that design decisions<br>have been based on opportunities<br>and constraints of the site<br>conditions and their relationship to<br>the surrounding context | Each element in the Site Analysis Checklist<br>should be addressed (see Appendix 1)                                                                                                                                                                                                                        | $\checkmark$ | The proposed design responds to site location, context and physical elements. Detailed site analysis plans respond to Appendix 1.                  |
|                                                                                                                                                                                                                | Part 3B (                                                                                                                                                                                                                                                                                                  | Orientation  |                                                                                                                                                    |
| <b>Objective 3B-1</b> Building types and                                                                                                                                                                       | Buildings along the street frontage define<br>the street, by facing it and incorporating<br>direct access from the street                                                                                                                                                                                  |              | The proposed building faces the street and incorporates direct access from the street.                                                             |
| layouts respond to the streetscape<br>and site while optimising solar<br>access within the development                                                                                                         | Where the street frontage is to the east or<br>west, rear buildings should be orientated to<br>the north Where the street frontage is to<br>the north or south, overshadowing to the<br>south should be minimised and buildings<br>behind the street frontage should be<br>orientated to the east and west | $\checkmark$ | The street frontage is to the west. The design of the building facilitates solar access.                                                           |
| <b>Objective 3B-2</b> Overshadowing of neighbouring properties is minimised during mid-Winter                                                                                                                  | Living areas, private open space and<br>communal open space should receive solar<br>access in accordance with sections 3D<br>Communal and public open space and 4A<br>Solar and daylight access                                                                                                            | $\checkmark$ | Shadow diagrams indicate minor overshadowing of adjoining<br>properties mid-Winter. This is minimised by compliance with<br>the building envelope. |
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## Part 3 Siting the Development

| Item                                                                                                                             | Design Guidance                                                                                                                                                                             | Compliance     | Design Response                                                                                                                                                                                |
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| Part 3C Public domain interface                                                                                                  | )                                                                                                                                                                                           |                |                                                                                                                                                                                                |
| <b>Objective 3C-1</b> Transition between<br>private and public domain is<br>achieved without compromising<br>safety and security | Terraces, balconies and courtyard<br>apartments should have direct street entry,<br>where appropriate                                                                                       |                | The street interface divides the public and private domain by minor grade separation to reinforce territoriality, improve street surveillance, and afford visual privacy to ground floor areas |
|                                                                                                                                  | Changes in level between private terraces,<br>front gardens and dwelling entries above<br>the street level provide surveillance and<br>improve visual privacy for ground level<br>dwellings | $\checkmark$   | (refer cross-section)                                                                                                                                                                          |
| <b>Objective 3C-2</b> Amenity of the public domain is retained and enhanced                                                      | Planting softens the edges of any raised<br>terraces to the street, for example above<br>sub-basement car parking                                                                           | $\checkmark$   | Refer to Landscaping plans.                                                                                                                                                                    |
|                                                                                                                                  | Part 3D Communal                                                                                                                                                                            | and public ope | n space                                                                                                                                                                                        |
|                                                                                                                                  | 1. Communal open space has a minimum area equal to 25% of the site                                                                                                                          |                | Required: 1,510.25m <sup>2</sup><br>Achieves:                                                                                                                                                  |
|                                                                                                                                  |                                                                                                                                                                                             |                | Ground floor landscape area – 1,192m <sup>2</sup> (ex. stormwater chnl)                                                                                                                        |
|                                                                                                                                  |                                                                                                                                                                                             |                | Level 1 communal space – 148.44m <sup>2</sup>                                                                                                                                                  |
| <b>Objective 3D-1</b> An adequate area of communal open space is                                                                 |                                                                                                                                                                                             |                | Level 2 veggie terrace $- 82.54m^2$<br>Level 3 BBQ terrace $- 112.33m^2$                                                                                                                       |
| provided to enhance residential amenity and to provide                                                                           |                                                                                                                                                                                             |                | Level 4 Chess terrace – $42.74m^2$                                                                                                                                                             |
| opportunities for landscaping                                                                                                    |                                                                                                                                                                                             |                | Total communal open space 1,578.05m <sup>2</sup>                                                                                                                                               |
|                                                                                                                                  | 2. Developments achieve a minimum of                                                                                                                                                        |                | Complies.                                                                                                                                                                                      |
|                                                                                                                                  | 50% direct sunlight to the principal usable<br>part of the communal open space for a<br>minimum of 2 hours between 9 am and 3<br>pm on 21 June (mid winter)                                 | $\checkmark$   | Ground floor landscaped area 1,192m <sup>2</sup> (75.5%)                                                                                                                                       |

| Item                                                                                                                                                                                                                         | Design Guidance                                                                                                                                                                                                                                                                                                                               | Compliance   | Design Response                                                                                                                                                                                                                                        |
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| Part 3E Deep soil zones                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                               |              |                                                                                                                                                                                                                                                        |
| <b>Objective 3E-1</b> Deep soil zones<br>provide areas on the site that allow<br>for and support healthy plant and<br>tree growth. They improve<br>residential amenity and promote<br>management of water and air<br>quality | 1. Deep soil zones are to meet the<br>following minimum requirements: <u>Minimum Dimensions</u> Greater than 1,500m2 with significant<br>existing tree cover 6mDeep soil zone (% of site area)7%                                                                                                                                              | ~            | Complies with the Seniors housing SEPP and 2020.98sqm<br>provided for deep soil planting.<br>SEPP 65 Deep soil requires min. 422.86m <sup>2</sup> (7%)<br>The design achieves 2020.98m <sup>2</sup> of deep soil (33.5%)                               |
| Part 3F Visual privacy                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                               |              | ·                                                                                                                                                                                                                                                      |
| <b>Objective 3F-1</b> Adequate building<br>separation distances are shared<br>equitably between neighbouring<br>sites, to achieve reasonable levels<br>of external and internal visual<br>privacy                            | <ol> <li>Separation between windows and<br/>balconies is provided to ensure visual<br/>privacy is achieved. Minimum required<br/>separation distances from buildings to the<br/>side and rear boundaries are as follows:</li> <li>Over 25m (9+ storeys)</li> <li>Habitable rooms and balconies-12m</li> <li>Non-habitable rooms-6m</li> </ol> | ~            | Except for the balconies to level 5 and 6 on the southern<br>façade, the design complies with the minimum building<br>separation distances.<br>Privacy screens have been provided to the level 5 & 6<br>balconies that intrude on the 9m side setback. |
| Part 3G Pedestrian access and                                                                                                                                                                                                | entries                                                                                                                                                                                                                                                                                                                                       |              |                                                                                                                                                                                                                                                        |
| <b>Objective 3G-1</b> Building entries<br>and pedestrian access connects to<br>and addresses the public domain                                                                                                               | Multiple entries (including communal<br>building entries and individual ground floor<br>entries) should be provided to activate the<br>street edge                                                                                                                                                                                            | $\checkmark$ | Suitable access is provided and clearly delineated.                                                                                                                                                                                                    |
| and addresses the public domain                                                                                                                                                                                              | Entry locations relate to the street and subdivision pattern and the existing                                                                                                                                                                                                                                                                 |              |                                                                                                                                                                                                                                                        |

| Item                                                                                                                                                                                            | Design Guidance                                                                                                                                                                                                                                                                                                                                                                                        | Compliance      | Design Response                                                                        |
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|                                                                                                                                                                                                 | pedestrian network                                                                                                                                                                                                                                                                                                                                                                                     |                 |                                                                                        |
|                                                                                                                                                                                                 | Building entries should be clearly<br>identifiable and communal entries should<br>be clearly distinguishable from private<br>entries                                                                                                                                                                                                                                                                   |                 |                                                                                        |
|                                                                                                                                                                                                 | Where street frontage is limited and<br>multiple buildings are located on the site, a<br>primary street address should be provided<br>with clear sight lines and pathways to<br>secondary building entries                                                                                                                                                                                             |                 |                                                                                        |
|                                                                                                                                                                                                 | Part 3H Ve                                                                                                                                                                                                                                                                                                                                                                                             | hicle access    |                                                                                        |
| <b>Objective 3H-1</b> Vehicle access<br>points are designed and located to<br>achieve safety, minimise conflicts<br>between pedestrians and vehicles<br>and create high quality<br>streetscapes | Car park access should be integrated with<br>the building's overall facade. Design<br>solutions may include:<br>• the materials and colour palette to<br>minimise visibility from the street<br>• security doors or gates at entries that<br>minimise voids in the facade<br>• where doors are not provided, the                                                                                       | $\checkmark$    | Carparking has been integrated into the design of the building.                        |
|                                                                                                                                                                                                 | visible interior reflects the facade design<br>and the building services, pipes and<br>ducts are concealed                                                                                                                                                                                                                                                                                             |                 |                                                                                        |
|                                                                                                                                                                                                 | Part 3J Bicycle                                                                                                                                                                                                                                                                                                                                                                                        | e and car parki | ng                                                                                     |
| <b>Objective 3J-1</b> Car parking is<br>provided based on proximity to<br>public transport in metropolitan<br>Sydney and centres in regional<br>areas                                           | <ol> <li>For development in the following<br/>locations:         <ul> <li>on land zoned, and sites within 400<br/>metres of land zoned, B3 Commercial<br/>Core, B4 Mixed Use or equivalent in a<br/>nominated regional centre the minimum<br/>car parking requirement for residents and<br/>visitors is set out in the Guide to Traffic<br/>Generating Developments, or the car</li> </ul> </li> </ol> | $\checkmark$    | Proposed off street carparking provides 48 spaces, compliant with Seniors Living SEPP. |

| Item | Design Guidance                                                              | Compliance | Design Response |
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|      | parking requirement prescribed by the<br>relevant council, whichever is less |            |                 |
|      | The car parking needs for a development must be provided off street          |            |                 |
|      |                                                                              |            |                 |

| ltem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Design Guidance                                                                                                                                                                                                                                                                                                                                          | Compliance       | Design Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Amenity                                                                                                                                                                                                                                                                                                                                                  |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Part 4A Solar ar                                                                                                                                                                                                                                                                                                                                         | nd daylight acc  | ess                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |
| Objective 4A-1 To optimise the<br>number of apartments receiving<br>sunlight to habitable rooms, primary<br>windows and private open space2. [In areas outside Sydney Metropolitan<br>Area and in the Newcastle and Wollongong<br>local government areas] - living rooms and<br>private open spaces of at least 70% of<br>apartments in a building receive a<br>minimum of 3 hours direct sunlight<br>between 9 am and 3 pm at mid winterADG provides user concession 'where significant views are<br>oriented away from the desired aspect for direct sunlight.' The<br>street frontage is to the west, with the best views of Brisbane<br>Water to the south/west. Apartments have been designed to<br>take full advantage of these views.Excluding those units that face south together with those units<br>orientated toward significant views, 30 of the 54 units are<br>deemed exempt. 18 of the 24 units are compliant with the 3hr<br>sunlight requirement between 9am and 3pm on 21 June. This<br>equates to 75% compliance. |                                                                                                                                                                                                                                                                                                                                                          |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3. A maximum of 15% of apartments in a<br>building receive no direct sunlight between<br>9 am and 3 pm at mid winter                                                                                                                                                                                                                                     | $\checkmark$     | Complies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Part 4B Natu                                                                                                                                                                                                                                                                                                                                             | ural ventilation |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |
| <b>Objective 4B-3</b> The number of<br>apartments with natural cross<br>ventilation is maximised to create a<br>comfortable indoor environment for<br>residents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <ol> <li>At least 60% of apartments are naturally<br/>cross ventilated in the first nine storeys of<br/>the building.</li> <li>Apartments at ten storeys or greater are<br/>deemed to be cross ventilated only if any<br/>enclosure of the balconies at these levels<br/>allows adequate natural ventilation and<br/>cannot be fully enclosed</li> </ol> | $\checkmark$     | Building Design ensures that proposed apartments provide<br>increased access to daylight and natural ventilation, with the<br>central open courtyard creating a stack effect for hot air to<br>escape the building while residences are cross ventilated.<br>The apartments have a variety of depths and use corner units /<br>cross through units to assist with ventilation. A wide central<br>courtyard means all units are cross through units and are less<br>than 14m in depth. All 54 units (100%) achieve cross<br>ventilation. |  |  |  |

## Part 4 Designing the Building

| Item                                                                                                            | Design Guidance                                                                                                                                                                                                         | Compliance       | Design Response                                                                                                                                                |
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|                                                                                                                 | 2. Overall depth of a cross-over or cross-<br>through apartment does not exceed 18m,<br>measured glass line to glass line                                                                                               |                  | We confirm that no cross-over or cross-through apartment is greater then 18m.                                                                                  |
|                                                                                                                 |                                                                                                                                                                                                                         |                  | The furthest is 12m.                                                                                                                                           |
|                                                                                                                 | Part 4C Ce                                                                                                                                                                                                              | eiling heights   |                                                                                                                                                                |
| <b>Objective 4C-1</b> Ceiling height<br>achieves sufficient natural<br>ventilation and daylight access          | 1. Measured from finished floor level to<br>finished ceiling level, minimum ceiling<br>heights are:<br>Habitable rooms 2.7m<br>Non-habitable 2.4m                                                                       | $\checkmark$     | Complies                                                                                                                                                       |
|                                                                                                                 | Part 4D Apartme                                                                                                                                                                                                         | ent size and lay | vout                                                                                                                                                           |
| <b>Objective 4D-1</b> The layout of rooms within an apartment is functional, well organised and provides a high | <ol> <li>Apartments are required to have the<br/>following minimum internal areas:</li> <li>1 bedroom 50m2</li> <li>2 bedroom 70m2</li> <li>3 bedroom 90m2</li> </ol>                                                   | $\checkmark$     | Complies<br>1 bed + study = $56.25m^2$<br>1 bed + study (west facing) = $81.71m^2$<br>2 Bed = $84.36m^2$<br>2 bed + study = $105.96m^2$<br>3 bed = $115.49m^2$ |
| standard of amenity                                                                                             | 2. Every habitable room must have a<br>window in an external wall with a total<br>minimum glass area of not less than 10%<br>of the floor area of the room.<br>Daylight and air may not be borrowed from<br>other rooms | $\checkmark$     | Complies                                                                                                                                                       |
| <b>Objective 4D-2</b> Environmental performance of the apartment is                                             | 1. Habitable room depths are limited to a maximum of 2.5 x the ceiling height                                                                                                                                           | $\checkmark$     | Complies                                                                                                                                                       |

| Item                                                                                                                                  | Design Guidance                                                                                                                                                                                    | Compliance     | Design Response                                                                                                                                                                                                |
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| maximised                                                                                                                             | 2. In open plan layouts (where the living,<br>dining and kitchen are combined) the<br>maximum habitable room depth is 8m from<br>a window                                                          | $\checkmark$   | Complies                                                                                                                                                                                                       |
|                                                                                                                                       | 1. Master bedrooms have a minimum area<br>of 10m2 and other bedrooms 9m2<br>(excluding wardrobe space)                                                                                             | $\checkmark$   | Complies. All master bedrooms comply with the requirements<br>for SEPP Seniors. The smallest master bedroom (3 bed) is<br>11.86m <sup>2</sup><br>All other master bedrooms are 12.57m <sup>2</sup> or greater. |
| <b>Objective 4D-3</b> Apartment layouts                                                                                               | 2. Bedrooms have a minimum dimension of<br>3m (excluding wardrobe space)                                                                                                                           | $\checkmark$   | Complies. All bedrooms achieve the minimum dimension of 3m (excluding wardrobe)                                                                                                                                |
| are designed to accommodate a<br>variety of household activities and<br>needs                                                         | <ul> <li>3. Living rooms or combined living/dining rooms have a minimum width of:</li> <li>3.6m for studio and 1 bedroom apartments</li> <li>4m for 2 and 3 bedroom apartments</li> </ul>          | $\checkmark$   | Complies                                                                                                                                                                                                       |
|                                                                                                                                       | 4. The width of cross-over or cross-through apartments are at least 4m internally to avoid deep narrow apartment layouts                                                                           | $\checkmark$   | Complies                                                                                                                                                                                                       |
|                                                                                                                                       | Part 4E Private oper                                                                                                                                                                               | n space and ba | lconies                                                                                                                                                                                                        |
| <b>Objective 4E-1</b> Apartments provide<br>appropriately sized private open<br>space and balconies to enhance<br>residential amenity | 1. All apartments are required to have<br>primary balconies as follows:<br><u>1 bedroom apartments</u><br>Minimum Area 8m2<br>Minimum Depth 2m<br><u>2 bedroom apartments</u><br>Minimum Area 10m2 | $\checkmark$   | Complies<br>1 bed + study = varies $9.52m^2$ , $10.7m^2$ , $27.4m^2$<br>2 bed = $19.25m^2$<br>2 bed + study = $29.76m^2$<br>3 bed = $25.62m^2$                                                                 |

| Item                                                                                                                        | Design Guidance                                                                                                                                                                                                                                                                                                                         | Compliance       | Design Response                                                                                                                                                                                                                                                                                                                              |
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|                                                                                                                             | Minimum Depth 2m<br><u>3+ bedroom apartments</u><br>Minimum Area 12m2<br>Minimum Depth 2.4m                                                                                                                                                                                                                                             |                  |                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                             | Part 4F Common ci                                                                                                                                                                                                                                                                                                                       | irculation and s | spaces                                                                                                                                                                                                                                                                                                                                       |
| <b>Objective 4F-1</b> Common circulation<br>spaces achieve good amenity and<br>properly service the number of<br>apartments | 1. The maximum number of apartments off<br>a circulation core on a single level is eight                                                                                                                                                                                                                                                | $\checkmark$     | Complies with user concession. The building design consists of<br>separate but linked buildings around a courtyard. This creates<br>separation between small groups of apartments and better<br>amenity for the residents. Number of apartments off a single<br>core does not exceed 12 (proposal has 11) and is reduced on<br>upper levels. |
|                                                                                                                             | 4G S                                                                                                                                                                                                                                                                                                                                    | storage          |                                                                                                                                                                                                                                                                                                                                              |
| <b>Objective 4G-1</b> Adequate, well<br>designed storage is provided in<br>each apartment                                   | <ol> <li>In addition to storage in kitchens,<br/>bathrooms and bedrooms, the following<br/>storage is provided:         <ol> <li>bedroom apartments 6m3</li> <li>bedroom apartments 8m3</li> <li>bedroom apartments 10m3</li> </ol> </li> <li>At least 50% of the required storage is to<br/>be located within the apartment</li> </ol> |                  | <ul> <li>The design provides for required storage within each apartment with additional secured storage space provided on the ground floor and within the car park.</li> <li>1 bedroom - 6m<sup>3</sup></li> <li>2 bedroom - 8m<sup>3</sup></li> <li>3 bedroom - 10m<sup>3</sup></li> </ul>                                                  |

| Item                                                                                                                                                                            | Design Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Compliance      | Design Response                                                                                                    |
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|                                                                                                                                                                                 | Part 4H Acc                                                                                                                                                                                                                                                                                                                                                                                                                                                      | oustic privacy  |                                                                                                                    |
| <b>Objective 4H-1</b> Noise transfer is<br>minimised through the siting of<br>buildings and building layout                                                                     | Adequate building separation is provided<br>within the development and from<br>neighbouring buildings/adjacent uses (see<br>also section 2F Building separation and<br>section 3F Visual privacy)<br>Window and door openings are generally                                                                                                                                                                                                                      | $\checkmark$    | 6m side setback is provided, providing adequate building separation for acoustic privacy with adjoining buildings. |
|                                                                                                                                                                                 | orientated away from noise sources                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |                                                                                                                    |
|                                                                                                                                                                                 | Part 4J Noise                                                                                                                                                                                                                                                                                                                                                                                                                                                    | e and pollution |                                                                                                                    |
| <b>Objective 4J-1</b> In noisy or hostile<br>environments the impacts of<br>external noise and pollution are<br>minimised through the careful siting<br>and layout of buildings | <ul> <li>To minimise impacts the following design solutions may be used:</li> <li>physical separation between buildings and the noise or pollution source</li> <li>residential uses are located perpendicular to the noise source and where possible buffered by other uses</li> <li>non-residential buildings are sited to be parallel with the noise source to provide a continuous building that shields residential uses and communal open spaces</li> </ul> |                 | Physical separation is provided between buildings.                                                                 |
|                                                                                                                                                                                 | Config                                                                                                                                                                                                                                                                                                                                                                                                                                                           | guration        |                                                                                                                    |
|                                                                                                                                                                                 | Part 4K Ap                                                                                                                                                                                                                                                                                                                                                                                                                                                       | partment mix    |                                                                                                                    |
| <b>Objective 4K-1 A</b> range of<br>apartment types and sizes is<br>provided to cater for different<br>household types now and into the<br>future                               | A variety of apartment types is provided                                                                                                                                                                                                                                                                                                                                                                                                                         | $\checkmark$    | The development provides 1-, 2- and 3-bedroom apartments.                                                          |

| Item                                                                                                                                      | Design Guidance                                                                                                                                                                                                                                                                                                                                                      | Compliance  | Design Response                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
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|                                                                                                                                           | Part 4M Facades                                                                                                                                                                                                                                                                                                                                                      |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| <b>Objective 4M-1</b> Building facades<br>provide visual interest along the<br>street while respecting the character<br>of the local area | <ul> <li>Design solutions for front building facades may include:</li> <li>a composition of varied building elements</li> <li>a defined base, middle and top of buildings</li> <li>revealing and concealing certain elements</li> <li>changes in texture, material, detail and colour to modify the prominence of elements</li> </ul>                                |             | Varied building materials are proposed including finishes along the front façade.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |
|                                                                                                                                           | Part 4N F                                                                                                                                                                                                                                                                                                                                                            | Roof design |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |
| <b>Objective 4N-1</b> Roof treatments are integrated into the building design and positively respond to the street                        | <ul> <li>Roof design relates to the street. Design solutions may include:</li> <li>special roof features and strong corners</li> <li>use of skillion or very low pitch hipped roofs</li> <li>breaking down the massing of the roof by using smaller elements to avoid bulk</li> <li>using materials or a pitched form complementary to adjacent buildings</li> </ul> |             | The LEP states that development in B4 mixed use zone should<br>'allow development in Point Frederick to take advantage of and<br>retain view corridors while avoiding a continuous built edge<br>along the waterfront.'<br>Communal spaces to the east and west break the massing of<br>the facade, creating places for resident interaction and social<br>engagement, maximising views to Brisbane Waters and the<br>Landscaped Garden at the rear.<br>A deliberate break and step in the street facade and the<br>vertical tower element on the right, assist in clearly defining the<br>main entry point to the facility. This break sets up a pedestrian<br>axis that runs to the rear of the site to the communal<br>landscaped area. |  |  |  |

| Item                                                                                                                                            | Design Guidance                                                                                                                                                                                                                                                                                                                                               | Compliance   | Design Response                                                                                                                   |  |  |  |
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|                                                                                                                                                 | Part 40 Landscape design                                                                                                                                                                                                                                                                                                                                      |              |                                                                                                                                   |  |  |  |
| <b>Objective 40-1</b> Landscape design is viable and sustainable                                                                                | Recommended tree planting in deep soil<br>zones<br>Greater than 1,500m2 1 large tree or 2<br>medium trees per 80m2 of deep soil zone                                                                                                                                                                                                                          | $\checkmark$ | Approximately 25 large trees required in deep soil area.<br>Approximately 30, medium to large trees proposed in deep soil<br>area |  |  |  |
|                                                                                                                                                 | Bu                                                                                                                                                                                                                                                                                                                                                            | ilding       |                                                                                                                                   |  |  |  |
|                                                                                                                                                 | 4Q Unive                                                                                                                                                                                                                                                                                                                                                      | ersal design |                                                                                                                                   |  |  |  |
| <b>Objective 4Q-1</b> Universal design<br>features are included in apartment<br>design to promote flexible housing<br>for all community members | Developments achieve a benchmark of<br>20% of the total apartments incorporating<br>the Livable Housing Guideline's silver level<br>universal design features                                                                                                                                                                                                 | $\checkmark$ | Seniors SEPP compliant<br>All units achieve a minimum silver level of the Livable Housing<br>Guideline's.                         |  |  |  |
| <b>Objective 4Q-2 A</b> variety of apartments with adaptable designs are provided                                                               | Adaptable housing should be provided in accordance with the relevant council policy                                                                                                                                                                                                                                                                           | $\checkmark$ | Refer Gosford City Centre SEPP and Gosford DCP Compliance.                                                                        |  |  |  |
| <b>Objective 4Q-3</b> Apartment layouts are flexible and accommodate a range of lifestyle needs                                                 | <ul> <li>Apartment design incorporates flexible design solutions which may include:</li> <li>rooms with multiple functions</li> <li>dual master bedroom apartments with separate bathrooms</li> <li>larger apartments with various living space options</li> <li>open plan 'loft' style apartments with only a fixed kitchen, laundry and bathroom</li> </ul> |              |                                                                                                                                   |  |  |  |

| Item                                                                                                                                                                  | Design Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Compliance     | Design Response                                                                                   |  |  |
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| Part 4S Mixed use                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                                   |  |  |
| <b>Objective 4S-1</b> Mixed use<br>developments are provided in<br>appropriate locations and provide<br>active street frontages that<br>encourage pedestrian movement | Mixed use development should be<br>concentrated around public transport and<br>centres                                                                                                                                                                                                                                                                                                                                                                                                  | $\checkmark$   | The proposed development is suitably located, close to public transport within a commercial area. |  |  |
| <b>Objective 4S-2</b> Residential levels of<br>the building are integrated within the<br>development, and safety and<br>amenity is maximised for residents            | Residential circulation areas should be<br>clearly defined. Design solutions may<br>include:<br>• residential entries are separated from<br>commercial entries and directly<br>accessible from the street<br>• commercial service areas are<br>separated from residential components<br>• residential car parking and communal<br>facilities are separated or secured<br>• security at entries and safe pedestrian<br>routes are provided<br>• concealment opportunities are<br>avoided |                | Residential areas are located on separate floors to commercial areas.                             |  |  |
|                                                                                                                                                                       | Part 4T Awnin                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ngs and signag | e                                                                                                 |  |  |
| <b>Objective 4T-1</b> Awnings are well located and complement and integrate with the building design                                                                  | Awnings should be located along streets<br>with high pedestrian activity and active<br>frontages                                                                                                                                                                                                                                                                                                                                                                                        | $\checkmark$   | Balconies are provided along high pedestrian traffic streets.                                     |  |  |

| ltem                                                                                                                                               | Design Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Compliance      | Design Response                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Objective 4T-2</b> Signage responds<br>to the context and desired<br>streetscape character                                                      | Signage should be integrated into the building design and respond to the scale, proportion and detailing of the development                                                                                                                                                                                                                                                                                                                                                    | $\checkmark$    | Complies. Signage responds to the context and desired streetscape character.                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                    | Part 4U Ene                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ergy efficiency |                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Objective 4U-1</b> Development<br>incorporates passive environmental<br>design                                                                  | Adequate natural light is provided to<br>habitable rooms (see 4A Solar and daylight<br>access). Well located, screened outdoor<br>areas should be provided for clothes drying                                                                                                                                                                                                                                                                                                  | $\checkmark$    | Design facilitates natural lighting within habitable rooms.                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Objective 4U-2</b> Development<br>incorporates passive solar design to<br>optimise heat storage in winter and<br>reduce heat transfer in summer | <ul> <li>A number of the following design solutions are used:</li> <li>the use of smart glass or other technologies on north and west elevations</li> <li>thermal mass in the floors and walls of north facing rooms is maximised</li> <li>polished concrete floors, tiles or timber rather than carpet</li> <li>insulated roofs, walls and floors and seals on window and door openings</li> <li>overhangs and shading devices such as awnings, blinds and screens</li> </ul> | $\checkmark$    | The proposal incorporates the use of design solutions to<br>optimise heat storage in winter and heat transfer in summer.<br>Roller blinds are incorporated into the street façade (west<br>facing)<br>Central courtyard has been designed to create a stack effect,<br>allowing hot air to escape the building. Greenery through the<br>open walkways and within shared spaces helps maintain<br>temperatures in these areas. |
|                                                                                                                                                    | Part 4V Water manage                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ement and con   | servation                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Objective 4V-1</b> Potable water use is minimised                                                                                               | Water efficient fittings, appliances and<br>wastewater reuse should be incorporated.<br>Apartments should be individually metered<br>Rainwater should be collected, stored and<br>reused on site.<br>Drought tolerant, low water use plants<br>should be used within landscaped areas.                                                                                                                                                                                         | $\checkmark$    | Suitable water fittings and appliances will be provided. As per BASIX.                                                                                                                                                                                                                                                                                                                                                        |

| ltem                                                                                                                        | Design Guidance                                                                                                                                               | Compliance    | Design Response                                                                                       |
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| <b>Objective 4V-2</b> Urban stormwater<br>is treated on site before being<br>discharged to receiving waters                 | Water sensitive urban design systems are designed by a suitably qualified professional                                                                        | $\checkmark$  | Suitably designed water sensitive systems are facilitated by the design.                              |
|                                                                                                                             | Part 4W Was                                                                                                                                                   | te management | t                                                                                                     |
|                                                                                                                             | Adequately sized storage areas for rubbish<br>bins should be located discreetly away<br>from the front of the development or in the<br>basement car park.     |               | Suitable waste management facilities are proposed for the development.                                |
| Objective 4W-1 Waste storage                                                                                                | Waste and recycling storage areas should<br>be well ventilated.                                                                                               | $\checkmark$  | A waste management plan has been written for DA.                                                      |
| facilities are designed to minimise<br>impacts on the streetscape, building<br>entry and amenity of residents               | Circulation design allows bins to be easily<br>manoeuvred between storage and<br>collection points.                                                           |               |                                                                                                       |
|                                                                                                                             | Temporary storage should be provided for<br>large bulk items such as mattresses.                                                                              |               |                                                                                                       |
|                                                                                                                             | A waste management plan should be prepared                                                                                                                    |               |                                                                                                       |
|                                                                                                                             | All dwellings should have a waste and<br>recycling cupboard or temporary storage<br>area of sufficient size to hold two days<br>worth of waste and recycling. |               | Waste and recycling rooms are provided on each floor to accommodate waste for approximately two days. |
| <b>Objective 4W-2</b> Domestic waste is<br>minimised by providing safe and<br>convenient source separation and<br>recycling | Communal waste and recycling rooms are<br>in convenient and accessible locations<br>related to each vertical core .                                           | $\checkmark$  |                                                                                                       |
|                                                                                                                             | For mixed use developments, residential waste and recycling storage areas and access should be separate and secure from other uses.                           |               |                                                                                                       |
|                                                                                                                             | Alternative waste disposal methods such<br>as composting should be provided.                                                                                  |               |                                                                                                       |

| Item                                                                       | Design Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Compliance   | Design Response                                                                                                                                   |  |  |  |
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|                                                                            | 4X Building maintenance                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                                                                                                                   |  |  |  |
|                                                                            | A number of the following design solutions are used:                                                                                                                                                                                                                                                                                                                                                                                                                    |              | Typical 1:20 wall details have been provided.                                                                                                     |  |  |  |
|                                                                            | <ul> <li>roof overhangs to protect walls</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                     |              | The concrete floor eleb extends past the Comintel well shoet                                                                                      |  |  |  |
| <b>Objective 4X-1</b> Building design                                      | <ul> <li>hoods over windows and doors to<br/>protect openings</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                |              | The concrete floor slab extends past the Cemintel wall sheet<br>with a drip groove to the underside of the slab to avoid staining<br>of surfaces. |  |  |  |
| detail provides protection from<br>weathering                              | <ul> <li>detailing horizontal edges with drip<br/>lines to avoid staining of surfaces</li> </ul>                                                                                                                                                                                                                                                                                                                                                                        | V            |                                                                                                                                                   |  |  |  |
|                                                                            | <ul> <li>methods to eliminate or reduce<br/>planter box leaching</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                             |              | All balcony slabs will also have a drip groove.                                                                                                   |  |  |  |
|                                                                            | <ul> <li>appropriate design and material<br/>selection for hostile locations</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                 |              |                                                                                                                                                   |  |  |  |
|                                                                            | Window design enables cleaning from the<br>inside of the building.                                                                                                                                                                                                                                                                                                                                                                                                      |              | Complies                                                                                                                                          |  |  |  |
| <b>Objective 4X-2</b> Systems and access enable ease of maintenance        | Building maintenance systems should be<br>incorporated and integrated into the design<br>of the building form, roof and façade.<br>Design solutions do not require external<br>scaffolding for maintenance access.<br>Manually operated systems such as blinds,<br>sunshades and curtains are used in<br>preference to mechanical systems.<br>Centralised maintenance, services and<br>storage should be provided for communal<br>open space areas within the building. |              |                                                                                                                                                   |  |  |  |
| <b>Objective 4X-3</b> Material selection reduces ongoing maintenance costs | A number of the following design solutions<br>are used:<br>• sensors to control artificial lighting in<br>common circulation and spaces                                                                                                                                                                                                                                                                                                                                 | $\checkmark$ | Refer to materials section in the Urban Design Analysis report.                                                                                   |  |  |  |
|                                                                            | natural materials that weather well and<br>improve with time such as face brickwork                                                                                                                                                                                                                                                                                                                                                                                     |              |                                                                                                                                                   |  |  |  |

| Item | Design Guidance                                                                                                                                                   | Compliance | Design Response |
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|      | <ul> <li>easily cleaned surfaces that are graffiti<br/>resistant</li> </ul>                                                                                       |            |                 |
|      | • robust and durable materials and finishes<br>are used in locations which receive heavy<br>wear and tear, such as common circulation<br>areas and lift interiors |            |                 |