Attachment A2(f)

Urban Design Study – 5 Preferred Urban Design Option – Botany Road Precinct



Preferred Urban Design Option

5.1 Preferred Built Form Option

developed that: A preferred built form approach was

- amalgamated option 01 and 02. planes, as yields were not met with on key sites whilst respecting solar Establishes a maximised targeted uplift
- implemented to protect areas of character Implements Special Character Areas
- planes review, key views and massing that responds to detailed sun access Proposed heights and built form massing

Four precincts will support future built form:

- Regent Street High Street
- Rosehill Precinct
- Waterloo Metro Quarter Employment Quarter
- McEvoy Street Precinct

It is considered that two areas may develop as mixed use under existing controls:

- 5 McEvoy Street Precinct which is commercial use. and therefore is less conducive to distance from Waterloo Metro Station situated outside 400m walking
- 6 At Waterloo Metro Quarter Precinct, one site has an existing development street edge and some commercial floor space could be in a mixed use greater storey heights a continuous approval for affordable housing. With development.

LEGEND

ALEXANDRU PARK

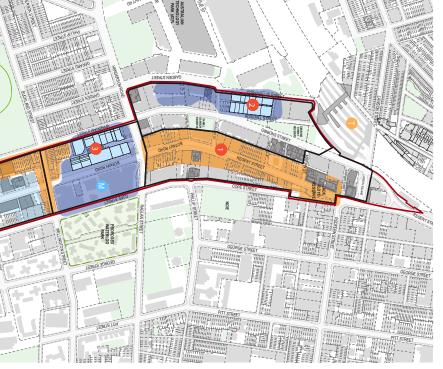
Development Capacity and growth areas

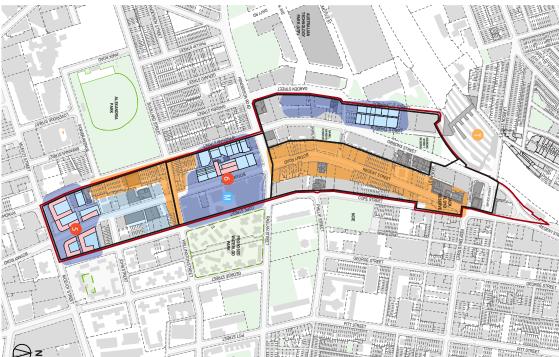
 Precinct boundary Sensitive Development Area - Heritage Considerations

Residential Built Form Commercial Built Form

Proposed Developments

Figure 270: Proposed built form - including mixed use development under existing controls (right) Figure 271: Proposed built form - commercial floorspace development (left)





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5.2 Preferred Built Form - Growth Precincts

Rosehill Precinct Built Form - Summary

determining the preferred built form envelopes for Rosehill The following factors have been taken into account when

- Sun access to Daniel Dawson Reserve has been
- those east of Gibbons Street has been prioritised. Sun access to the surrounding flat buildings particularly
- and Redfern Station future development. Heights should not exceed that of the RWA zoned areas
- Favourable wind environment and noise conditions.
- Ground level interface could benefit from either stepped points and smaller retail or commercial floorplates at continuous floor planes, allowing for multiple access
- from the ATP / Redfern Station. View corridor north / south along Gibbons Street and

Waterloo Metro Quarter Built Form - Summary

The following factors have been taken into account Waterloo Metro Quarter Precinct sites: to determining the preferred built form envelopes for

- Minimise overshadowing of the immediate residential properties. Properties to the north of surrounding Conservation Areas and existing Buckland Street and West of Wyndham Street have
- to reduce overshadowing impact. reduction in scale when viewed from the street and Require setbacks to Wyndham Street to allow for
- Limiting storeys to 12 storeys in this precinct as a visual principle rule, to ensure scale of the development are lower than the future Waterloo favourable relationship to Botany Road. Metro Over-station development and to maintain a
- prioritise implementation of north-south through site direct line of sight reducing CPTED issues, and Setback rear boundaries along laneways, to create
- Prioritise east-west through site links within development at ground floor

McEvoy Precinct Built Form - Summary

for McEvoy Precinct sites: when determining the preferred built form envelopes The following factors have been taken into account

- Reduce overshadowing impact to residential properties located to the south and the east of the
- Botany Road. scale and reduce visual impact when viewed along scale terrace or warehouse built forms, to moderate Step up built form gradually from surrounding low
- Provide for through site links between large lots, pedestrian cross-block opportunities to increase permeability and provide for safer
- McEvoy Street to indicate the start of the precinct. Provide a stronger urban corner at Botany Road and

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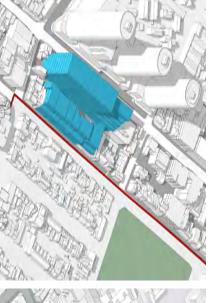


Figure 274: Waterloo Metro Quarter Precinct Built Form Strategy - Aerial View



Figure 275: McEvoy Precinct Built Form Strategy - Aerial View

Figure 273: Rosehill Precinct Built Form Strategy - Aerial View

5.0 Preferred Urban Design Option



5.3 Preferred Built Form - Solar Amenity

Access Plane Waterloo Metro Quarter Precinct - Sun

over Waterloo Metro Quarter that provides on June 21 Winter Solstice. Sun Access plane has been developed to Street where primary living areas face the western side of Wyndham Street. This A Sun Access Plane has been developed living areas, between 1030am and 1230pm maintain minimum 2 hours solar access to sun access to properties along Wyndham

the Appendices section of this report. Detailed solar testing can be found within

Residential

Wyndham Street

Botany Road

Waterloo Metro

1pm 21 JUNE

LEGEND Additional Floorspace Number of stories Sun Angle June 21
SAP Current Built Form





Figure 277: Waterloo Metro Quarter Precinct - proposed sun access plane section.

Rosehill Precinct - Sun Access Plane

sun access to Daniel Dawson Reserve for minimum 50% of the reserve, between 9am and 3pm on June 21 Winter Solstice. A Sun Access plane has been developed over the Rosehill Street key development sites that maintains minimum 4 hours

the Appendices section of this report. Detailed solar testing can be found within

Additional Floorspace Number of stories SAP - viewed in elevation Sun Angle June 21 SAP



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Garden Street

Gibbons Street

Cope Street

Mixed Residential / Commercial

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