Attachment A2(g)(ii)

Urban Design Study – 6 Recommendations – Part 2 – Botany Road Precinct

Sun Access Planes (SAP)

To protect and extend morning sun on existing built form, a sun access plane has been developed for solar access to properties on west Wyndham Street, Waterloo Metro Quarter, Daniel Dawson reserve, the NCIE, Alexandria Park and Jack Floyd Reserve.

Buildings developed in the area affected by solar access planes must not project above the solar access plane.

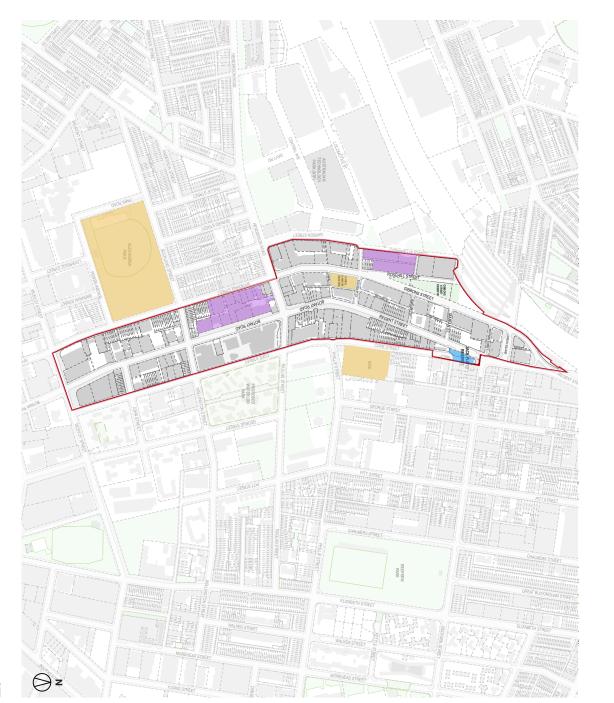
These are recommended to be included within the City of Sydney DCP and LEP described as:

- Sun access plane contours.
- Street alignment.
- Maximum height RL.
- Time period applicable for solar access plane to be maintained.

Areas identified within Indigenous Community Consultation are proposed to be protected from any additional overshadowing, particularly the NCIE, Jack Floyd Reserve and Alexandria Park.

LEGEND

Land affected by Sun
Access Planes
No additional
Overshadowing
Area protected by
Sun Access Plane



Reconciled Sun Access Planes

Proposed Sun Access plane contours are shown in Figure 309 and Figure 310 adjacent and are set to the following base RL AHD:

Waterloo Metro Quarter

- 15.7 AHD
- Follows alignment of solar access at 1030am to Wyndham Street Properties.

Rosehill Precinct

- 34.1 AHD
- Follows alignment of existing terrace parapets lines along Boundary Street.



Figure 308: Proposed SAP - Rosehill Precinct

Area protected by Sun Access Plane
AHD—— Sun Access Plane setiout point (above AHD)

10m — Sun Access Plane slope setout contours (10m increments) LEGEND

Land affected by Sun Access Planes

No additional Overshadowing

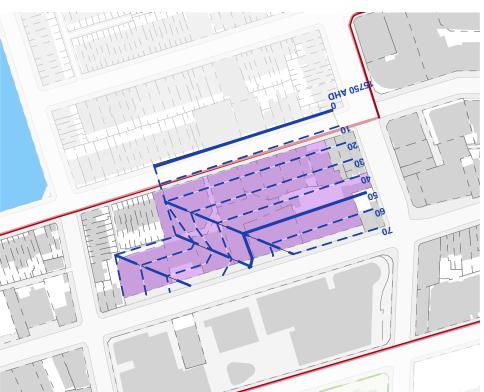


Figure 309: Proposed SAP - Waterloo Metro Quarter Precinct

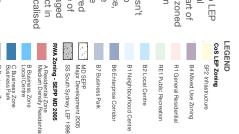
Zoning and Land Use

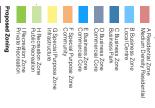
Minor changes are recommended to LEP Zoning to accommodate commercial use on 216-220 Wyndham Street (part of McEvoy Street Precinct) and the R1 zoned residential properties align Wyndham Street.

Retaining R1 zoning in this area doesn't allow for various commercial uses to be permitted such as business, office, entertainment and light industry. The permitted commercial uses in R1 are also limited and don't describe desired future character. A primary objective of the McEvoy Street Precinct is envisaged to support the future 24-hour precinct in south McEvoy and also created a localised commercial / retail precinct for local residents.

Various Options for re-zoning could be implemented including:

- Rezone to B4 Mixed Use like other surrounding sites, retaining existing uses however possible non-desirable uses that become permissible include Function centres, Hotels, Serviced apartments and Restricted premises will become permissible.
- Rezone to B2 Local Centre zoning objectives are a good fit, residential remains permissible as well as permissible commercial uses.
- Existing mixed use zoning (B4) is not recommended to be revised up to B5, B6, B7 land uses as existing residential uses are not compatible with these this zoning, and these do not encourage new retail ground floor uses on Botany Road, Regent Street and Henderson Road.







SP2

SSLEP1998

SSLEP1998

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Regent Street Precinct

Street Frontage Height Controls

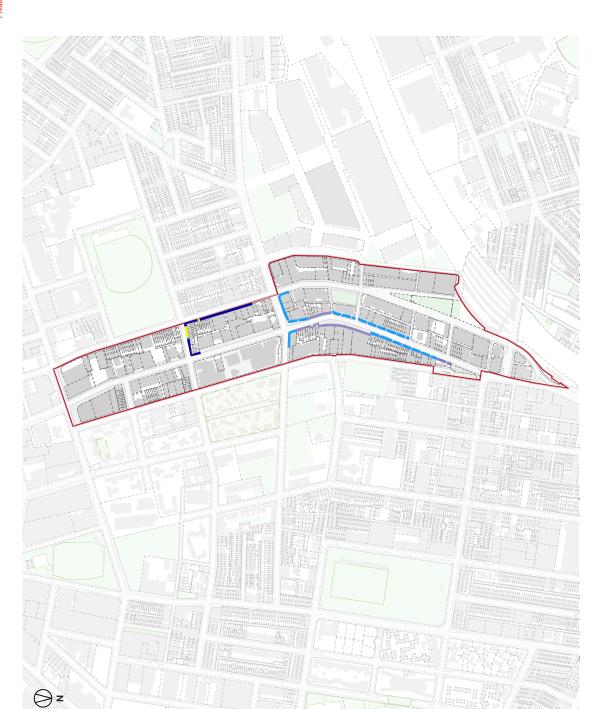
An opportunity exists for new development or adaptive re-use extensions to be restricted from greater than 3 -4 stories street frontage height to retain the low scale, fine grain character that present within existing historical and new built form along Regent Street.

LEGEND Existing street frontage height 1 storey 2 storey 3 storey 4 storey Proposed street frontage height - 2 storey - 3 storey - 3 storey - 4 storey - 4 storey - 4 storey - 4 storey

Waterloo Metro Quarter

There are no street frontage height controls proposed to Waterloo Metro Quarter Precinct, except a possible DCP clause description that would describe the need to provide horizontal scale, architectural articulation and visual interest to a continuous façade along western Botany Road.

A continuous street wall is desired to negotiate scale difference between the Waterloo Metro over-station development.



Active Frontages

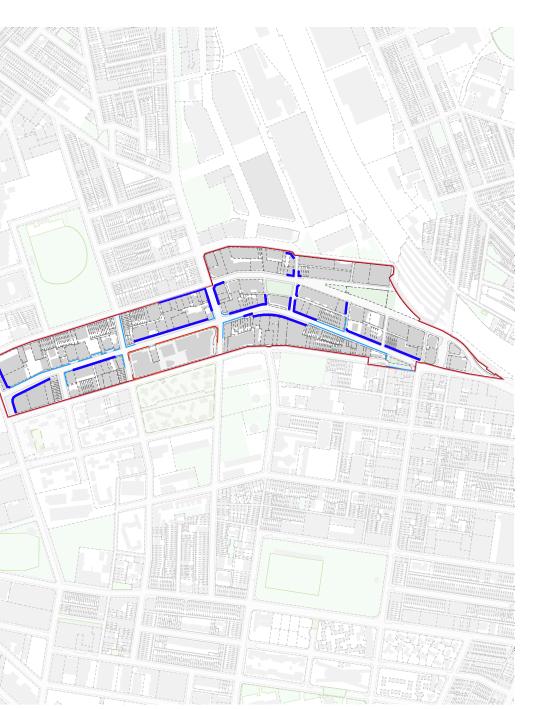
The aim of the proposed controls in Figure 24 is to encourage and promote pedestrian traffic along Botany Road, Henderson Road and Regent Street by linking existing active frontages with areas where retail or commercial developments are anticipated in the future.

The urban design options have revealed active frontage control opportunities for:

 Botany Road and Regent Street's street activity to be strengthened for pedestrians moving north / south.
 Henderson Road for pedestrian moving between the ATP and the future Waterloo Metro Station.

LEGEND

Existing Active
Frontage DCP
Existing Active
Frontage LEP
Proposed Active
Frontage Control



⊝ z

Setbacks

Waterloo Metro Quarter

A three-storey setback is proposed on eastern Wyndham Street, to provide complements the scale of adjacent existing terrace housing when viewed from street a consistent street wall height that Additionally, the proposed control sets solar access to west Wyndham Street.

Road and Wyndham Street laneway. for future laneway connecting Henderson properties facing Botany Road, to provide Setbacks are proposed to the rear of

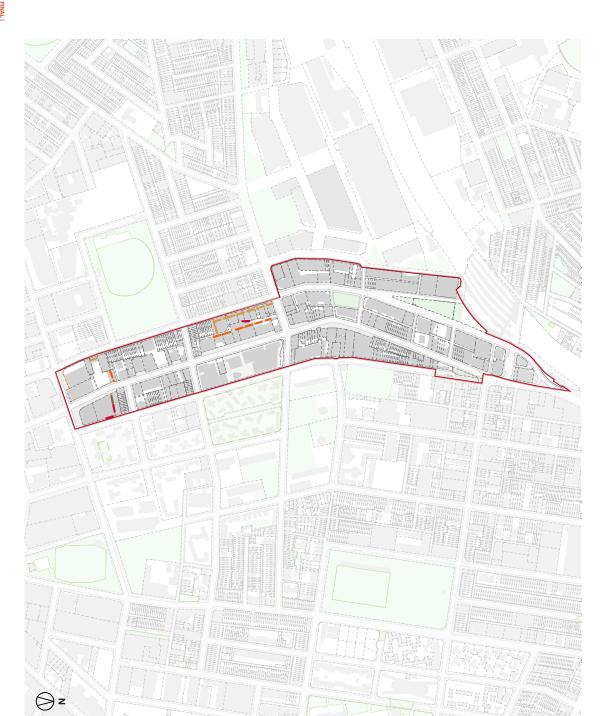
McEvoy Street

terraces on John Street, in turn providing a variation in scale when viewed from street level. Setbacks are recommended transition is proposed to step the corners of 171B Botany Road toward existing row development. between commercial / future residential solar access and a variation in scale facing Waterloo Housing estate to provide On eastern Botany Road, a height

LEGEND 2 storeys

5 storeys 4 storeys

6 storeys



To support continuous active frontages along Botany Road, Regent Street and Henderson Road, a continuous awning control is recommended.

The provision of awnings with new development should increase pedestrian amenity as well as opportunities for future street activation and footpath uses.

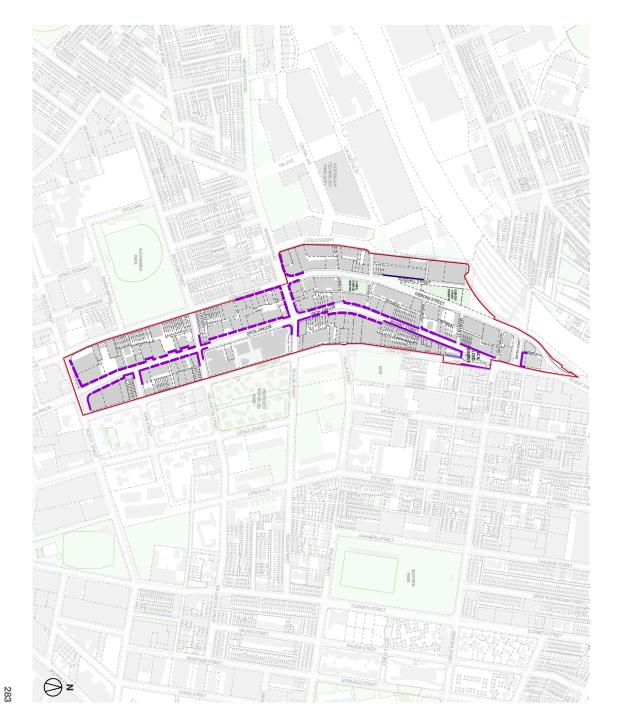
of awning controls are proposed.

To protect existing Indigenous street art at Cope Street / Jack Floyd reserve reduction

LEGEND

Existing Awnings

Proposed Continous
Awning Proposed Awning over entry Remove existing control



Through-site Links

McEvoy Precinct

requirements are recommended: Street. The following DCP design Botany Road and Cope Street / Wyndham site links have been established between hour precinct, desired east-west through development and future McEvoy Street 24between future Waterloo Housing Estate To enhance east west connection

- A curtilage is established on the southern side of the heritage listed electrical substation located at 212-214 Wyndham Street.
- lot boundary of key sites providing for equal opportunity for each development to contribute to future pedestrian amenity. Through site links shared across the
- They are intended as pedestrian connections, however may consist of some shared zone vehicle access to Botany Road and McEvoy Street. reduce vehicle crossover points on
- Minimum 6m wide, full height links.

Waterloo Metro Quarter Precinct

properties to link discontinuous lane ways with new development. at the rear of Botany Road facing Proposed laneways have been established

A through site connection is proposed Station and Alexandria Park. connection between Waterloo Metro Botany road to promote pedestrian between existing vehicle laneway and

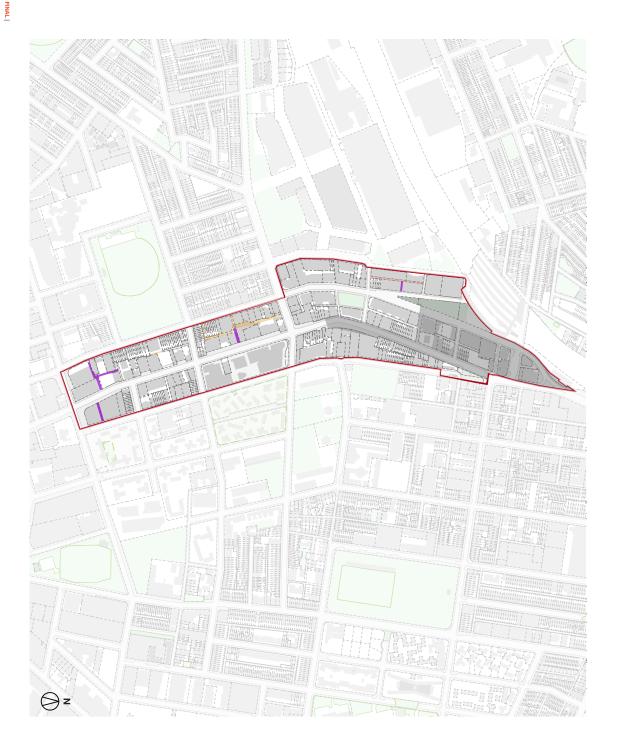
Rosehill Precinct

link Cornwallis Lane and Gibbons Lane. A desired through site link is proposed to

LEGEND

Proposed through-site links
Liveable Green
Networks

Excluded from DCP Proposed Lanes Proposed Streets



Transport and Vehicle Management

To support pedestrian amenity, increase safety and maintain good vehicle flow on Botany Road and Regent Street, controls are proposed to reduce or restrict vehicle cross-over points.

Two pedestrian priority zones have been recommended at Waterloo Metro Quarter and along Regent Street.

At McEvoy Street / Botany Road corner vehicle points are recommended to be limited, with preferred site entry points to be through Wyndham Street and Cope Street where possible or situated away from the busy intersection if proposed on Botany Road.

LEGEND No V

- No Vehicle / footpath cross over points

 Vehicle cross over limited
- Vehicle Entry points

 Dedicated land for vehicle laneway Pedestrian Priority new vehicle access restricted

Vehicli limited

development facing Waterloo Metro
Quarter. A shared zone laneway declication
Quarter. A shared zone laneway declication
Is recommended at the rear of 84 Botany
Road, to ensure future development along
has adequate servicing and vehicle entry
points.

Chibbons Street contains verious vehicle

Vehicle entry points are recommended to be from rear laneways when in

Gibbons Street contains various vehicle cross over points in it's current condition, so future development as residential is recommended to have front in / front out vehicle entry only, or vehicle entry to rear laneways where possible.

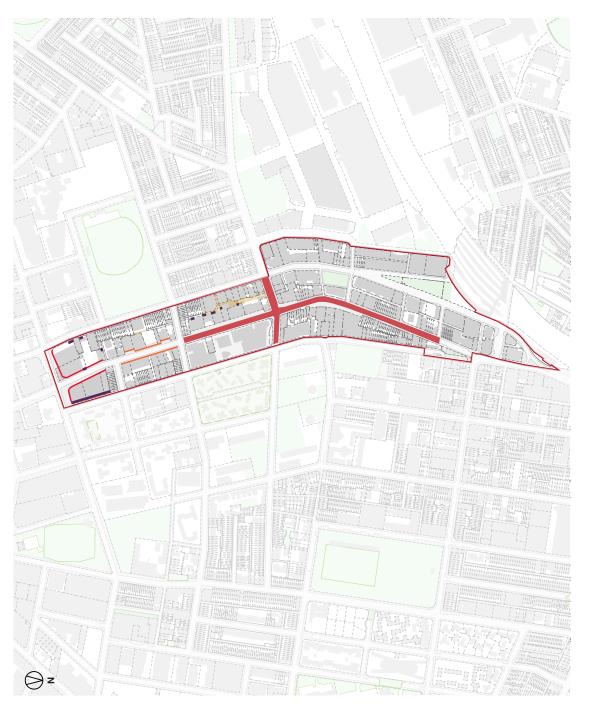


Figure 316: Proposed Transport and Vehicle Management

Special Character Areas

Two special Character areas are recommended to recognise the importance, significance and unique quality of the area. These characteristics include:

LEGEND

1 - Special Character
Area - Regent Street
Existing Character 'high
street' - Redfern Street

2 - Special Character Area - Buckland Street

Regent Street Special Character Area

- A concentrated area of unique Indigenous character unmatched in Sydney, NSW or Australia.
- A unique cultural significance for the Redfern-Waterloo Aboriginal and Torres Strait Islander Communities.

 A public identity acknowledged as
- A public identity acknowledged as containing recent social and civil rights significance for the Aboriginal and Torres Strait Islander Community.
- The roadway as a significant portion of Botany Road, a possible significant trade route for Aboriginal and Torres Strait Islander communities within Sydney.

This special character area could be considered for extension to Redfern Street, Lawson Street and other significant Indigenous Community areas with further studies and consultation.

Buckland Street Special Character Area

- A high concentration of historical terraces and unique leafy streetscape / east-west connection that is uncommon in the Botany Road Corridor
- An important green connection between Alexandria Park / Alexandria Park School and Redfern – Waterloo for local residents of the existing Waterloo Housing Estate.

This special character area could have principles included within the Locality Statement such as:

- Maintain view corridor along Buckland Street.
- New development should respond to existing low scale terraces.

Figure 317: Proposed Special Character Area Controls



Non-Indigenous Built Form Heritage

the TZG Non-Indigenous Heritage Report Recommendations have been made within

- Update Alexandria Park and Redfern Estate HCA
- Update Heritage listings to include Aboriginal Significance

Heritage Conservation Area

Detracting

Neutral

Add Heritage item to the CoS LEP

associations include: cultural values or associations. Existing are updated to reflect any known Aboriginal Conservation Areas within the study area for both Heritage Items and Heritage Road Corridor to Aboriginal people, it is recommended that existing heritage listings Given the significance of the Botany heritage items with known Aboriginal

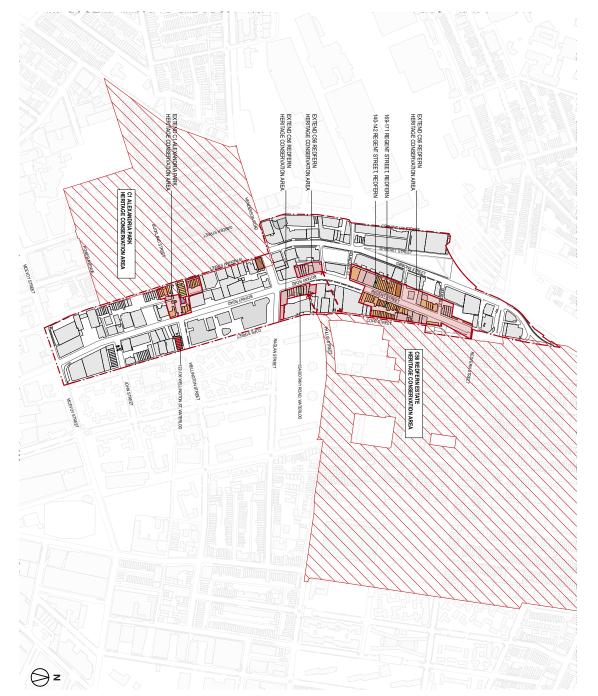
- St Luke's Presbyterian Church, 118 Regent Street, Redfern (LEP I1352)
- 181 Regent Street, Redfern (LEP I1353)
- Waterloo (LEP I2070) Cauliflower Hotel, 123 Botany Road,
- Road, Alexandria (LEP 14). Cricketers Arms Hotel, 56-58 Botany
- Alexandria (LEP I16) Lord Raglan Hotel, 12 Henderson Road

values. significance for their historical and social to be listed as Heritage Items of local Aboriginal people and are recommended all have significant associations with building at 33a Botany Road, Waterloo and 171 Regent Street, Redfern and the The contributory buildings located at 142

- 142 Regent Street, Redfern Former Aboriginal Legal Service
- 171 Regent Street Redfern Former Aboriginal Medical Service
- 33a-35 Botany Road, Waterloo **Aboriginal Housing Company**

Figure 318: Built form Heritage LEP Amendments

LEGEND Potential Heritage Item
Potential extension of existing LEP Heritage Item Contributory Building Heritage Conservation Area



6.4 Site Specific Controls

LEGEND

Site Specific Controls

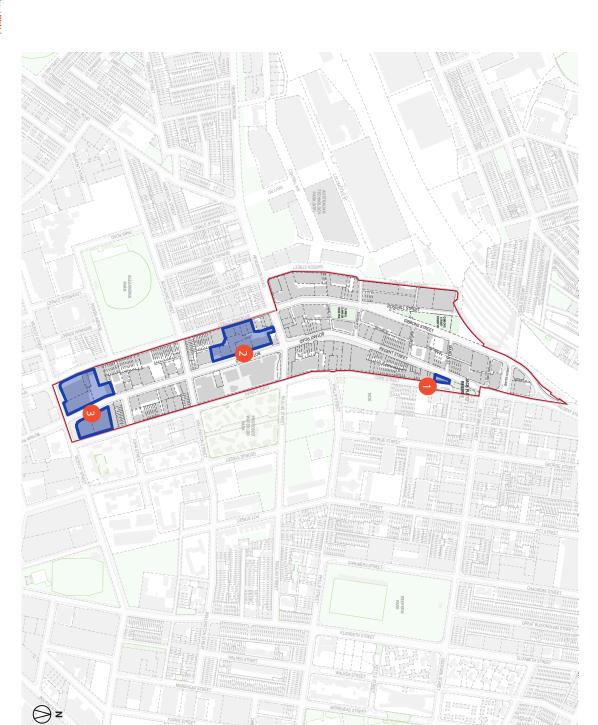
Three areas for Site Specific Controls are recommended to be included within Section 6.0 City of Sydney DCP due to their unique contribution to the character of the surrounding areas and future development:

131 Regent Street / Jack Floyd Reserve

Waterloo Metro Quarter - Botany Road and Wyndham Street addresses.

3 McEvoy Street Precinct

Site Specific Controls have not been developed for Rosehill Precinct as the solar access plane determines a maximum envelope. This maximum envelope is constrained by it's long north-south orientation. It was determined that by not implementing site specific controls, the site may benefit from a more flexible built form envelope that could provide an innovative response and thus could contribute a unique identity for the area.



Jack Floyd Reserve / 131 Regent Street

LEGEND

Unified and extended public plaza

Jack Floyd Reserve is surrounded by many places of significance for the Indigenous Community of Redfern-Waterloo and therefore acts as a first port of call for those arriving to the area.

The Reserve has been identified as a possible public space renewal project, where Indigenous artwork, interpretation, murals, story-telling and song-lines should be prioritised. An opportunity to establish as essential 'meeting place' could be enhanced by dedicating land on 131 Regent Street as extended public space, with cafe seating and active frontages.

Development on the site is proposed to be permissible south of the existing 1930's Spanish mission style service station building, previously known as 'Red-fern' Service Station.

Development could be undertaken to existing Storey heights, with a site specific Height in Metres to allow for a prominent corner 'gateway' building. Public Art is proposed for the north facing facade, to compliment the existing Indigenous Mural facing Cope Street.

Building Envelope Zone Privately owned Public Space vehicle access Focal Meeting Place Desired Entry Retain 1930s 'Spanish mission' service station Outdoor dining Road Closure with bollard Proposed Tree Existing Tree Public Indigenous Artwork Active Frontage retention of Indigenous Mural Development allowed with spanish mission wall Retain Indigenous Mural and



Figure 320: Proposed Site Specific Controls - 131 Regent Street / Jack Floyd Reserve



Jack Floyd Reserve, 131 Regent Street Site Specific Control Objectives

The following could be considered for site specific control objectives:

- Contribute to public domain by enhancing available public space at Jack Floyd Reserve.

 Respond to objectives of Regent Street High Street as an 'Indigenous Boulevard' by providing an iconic
- Support the retail character of the area by providing active frontages to Regent Street.

gateway building.

- Set building heights to allow for development and frontage alignments that contribute to a 'gateway' to Redfern- Waterloo.
- Conserve existing Indigenous mural along Cope Street including historical service station facade and built form extents.
- Facade articulation to speak to adjacent terrace forms and predominant parapet / ridge height of historical, fine grain fabric.
- Any development to 131 Regent Street should extend a wall of a similar height south of the Spanish Mission Wall as an extension, to provide expanded space for this expression of Aboriginal Culture.
- Any development to 131 Regent Street should retain the Spanish Mission Wall on Cope Street, as it is repeatedly used for street art by the local Indigenous community.

 Development of a landmark/gateway building on the southern part of the site must include some provision of open space on the northern portion of the site facing Jack Floyd Reserve.

LEGEND

- 1 Focal meeting place
- 2 Unified public space
- Enhanced Street Tree Canopy
- Retain Indigenous mural / artwork
- Privately Owned Open Space
- Public Artwork opportunity

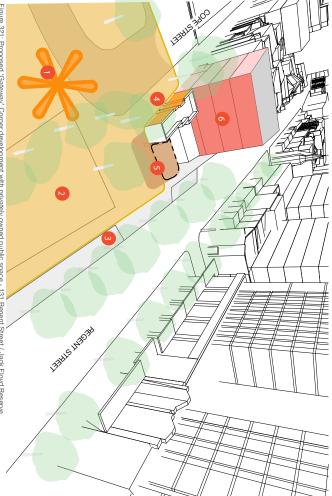


Figure 321: Proposed 'Gateway' Corner development with privately owned public space - 131 Regent Street / Jack Floyd Reserve



Figure 322: Retention of Indigenous Mural within Future Development - 131 Regent Street

Affordable Housing Waterloo Metro Quarter Precinct

included within the LEP. specific controls are recommended to be domain response to the rear laneway, site increased provision of commercial / nondevelopment of affordable housing with an non-residential floorspace. To incentivise Currently 74-88 Botany Road holds an residential floor space and optimise public housing which has a low provision of residential use that includes affordable approved Development Application for

Henderson Road and Wyndham Street of a continuous rear laneway connecting recommended, to support future dedication rear lane have minor site specific controls Adjacent properties facing Wyndham Street

could be: Possible Site Specific Control objectives

Increased commercial floorspace with affordable housing.

Key Views

Building Envelope Setback

connection

- Botany Road. Ground floor active frontages to
- Shared Zone and Pedestrian zone to Laneway dedication to connect Wyndham Lane.
- Wyndham laneway to Henderson
- Vehicle Access points to be facilitated
- via Wyndham Street laneway.

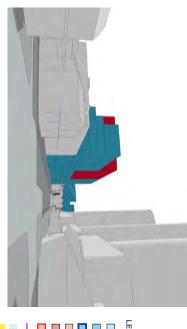
Setbacks to Wyndham Street laneway

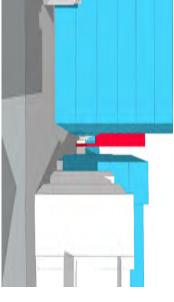
implemented to ensure the majority of affordable apartments facing Botany Road or double glazing may be required for road. It is expected that trickle ventilation apartments are facing away from the busy floor plan arrangements that could be rear of lots. Figure 326 illustrates possible or commercial street addresses from the direct line of sight and increased residential including reduced safety issues, increased Street laneway and Henderson Street, established rear lane to connect Wyndham Perspective views on the following page (Figure 325) illustrate the benefit of an





Figure 323: Proposed Site Specific Controls - Waterloo Metro Quarter







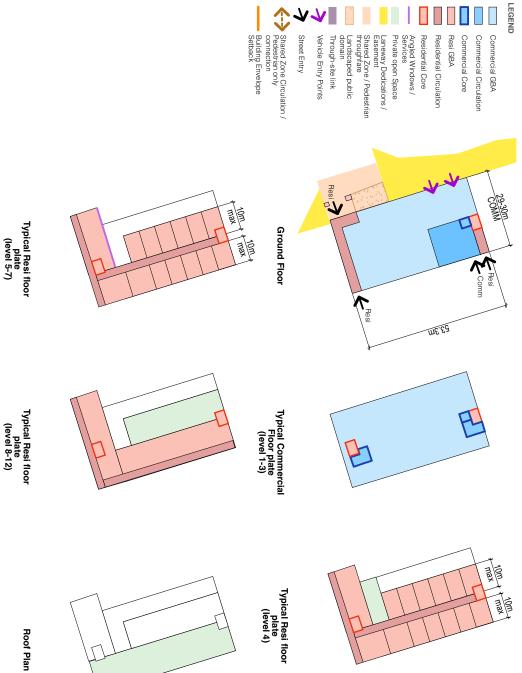


Figure 325: Proposed Site Specific Controls - Waterloo Metro Quarter - Affordable Housing - possible floor plan arrangements

Figure 324: Proposed mixed use development built form testing - McEvoy Precinct

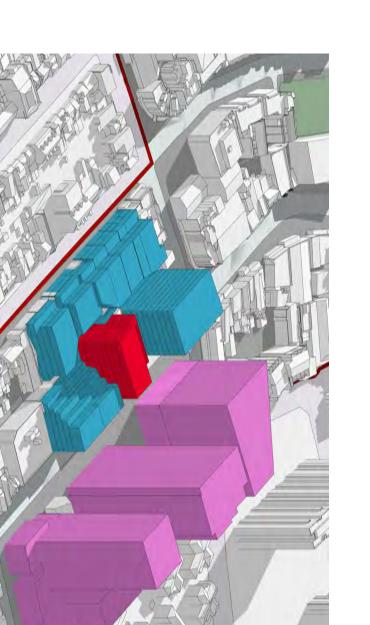
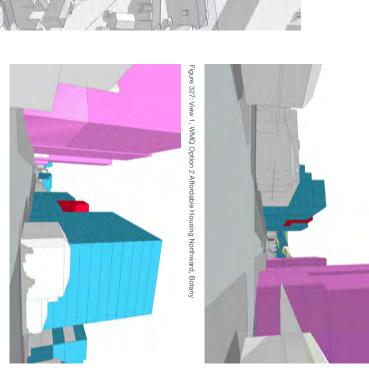


Figure 326: View 6, WMQ Option 2 Affordable Housing Aerial





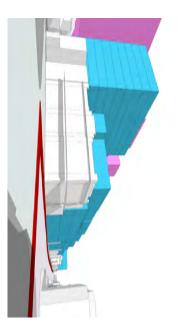


Figure 329: View 4 - WMQ Option 2 Affordable Housing Southward, Wyndham

Commercial GBA Commercial Circulation Commercial Core

Resi GBA

Residential Circulation

Residential Core Angled Windows / Services

Private open Space Laneway Dedications / Easement

Shared Zone / Pedestrian throughfare Landscaped public domain

Vehicle Entry Points Through-site link

Shared Zone Circulation /
Pedestrian only
connection
Building Envelope
Setback Street Entry

Figure 330: WMQ Option 3, U Shape Plan

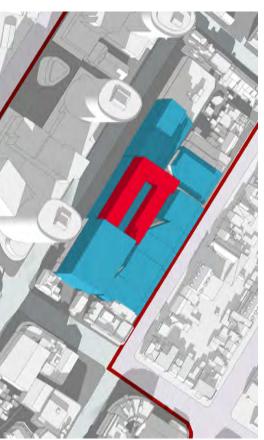


Figure 331: WMQ Option 3 - Affordable Housing - U Shape Plan, Aerial

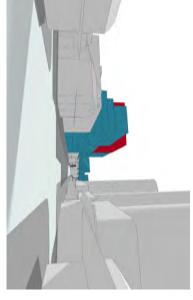


Figure 332: View 1 - WMQ Option 3 Affordable Housing. along Botany Road, Northward

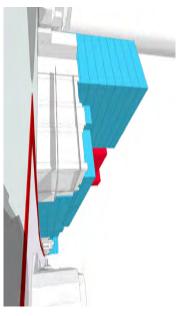


Figure 333: View 4 - WMQ Option 3 Affordable Housing, along Botany Road, Southward

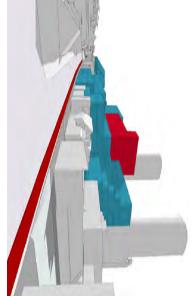


Figure 334: View 5 - WMQ Option 3 Affordable Housing, along Wyndham Street, Northward

McEvoy Street Precinct

included within Section 6.0 City of Sydney DCP. Sites subject to specific controls are: This precinct is recommended to be

- 216-220 Wyndham Street
- 171B Botany Road
- 179-181 Botany Road
- 186-202 Botany Road
- 204-218 Botany Road

controls for this area are: future character of their neighbourhood. a significant contribution to the desired area that could have potential to make McEvoy Precinct was identified as an Early in the Urban Design options study, The primary reasons to include site specific

- potential role in connecting Waterloo Estate Housing Redevelopment with McEvoy precinct could have a McEvoy Street envisaged for the areas south-west of future 24-hour night-time precinct
- distance for southern BRC residents. a new local 'centre' within walking pedestrian connections, may catalyse As the precinct is located outside a future built form with considered from future Waterloo Metro Station, convenient 400m walking distance
- A unique grouping of low height elsewhere within the Botany Road and employment lands not seen opportunity for commercial floorspace but large footprint lot sizes present Corridor.
- scaled development. study could benefit from appropriate Neighbouring low scale areas Areas as part of this urban design recommended to be Special Character
- Street for the Alexandria to Moore Park road upgrade and the intended future use of Botany Road as a Heavy Vehicle noise and air pollution. planning of built massing to respond to Future road development on McEvoy Transport Corridor requires careful

McEvoy Precinct Site Specific Control

as part of site specific controls for McEvoy Draft objectives that could be considered Street Precinct are:

- development. residential and non-residential envelopes and controls for both Alternative FSR clauses defining
- FSR / HOB controls). residential development within existing Setting apartment orientation (for
- design approach for view corridors. air conditions as well as best urban wall alignments to suit noise and Setting Building Heights and Street
- practice for noisy road environment. separations are consistent with best Ensure building depths and
- Allow for landscaped private open To provide visual and acoustic privacy
- rooftops. within setbacks, courtyards or on space courtyards and garden areas
- lots. to existing low scale terraces or small Allow for built form massing setbacks
- McEvoy Street. and Botany road when viewed from massing to corner of McEvoy Street Provide for optimised built form Botany Road (southward view).

scale / massing when viewed from Provide for optimised view built form

- Respond to the prominent location on corner of McEvoy and Botany Road by ensuring built form is of high quality.
- alignments Respond to through-site link
- on ground floor Provide retail uses and active frontages
- Respond to setbacks at high level.
- walls. to visually break up lengthy street Provide vertical and horizontal massing
- Provide adequate footpath setback widths at McEvoy Street

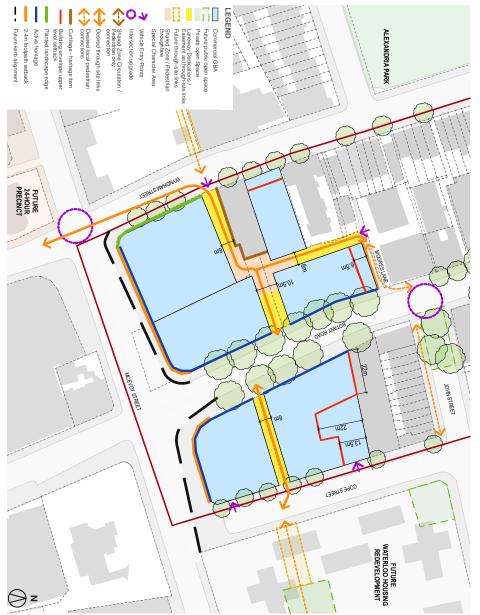


Figure 335: Proposed Site Specific Controls - McEvoy Precinct - Commercial Development



McEvoy Precinct Site Specific Control Objectives for Mixed Use development

Figure 337 sets out recommended controls to provide residential development within McEvoy Street Precinct as a typology that addresses development on busy roads and focuses reducing impact from compromised noise and air conditions experienced on Botany Road / McEvoy Street.

- Maximum 4 storeys overall height (no additional FSR granted for development including residential)
- 1 Storey of commercial floor space minimum to be provided to all sites.
 Locate private open space as central courtyard away from busy road
- Orientate living spaces away from busy roads / toward internal courtyard.

conditions.

- Maximum 10.5m floor plate depth to encourage dual aspect apartment layouts within residential development.
- Locate residential circulation, services cores or non-habitable rooms along busy road façades to provide a buffer to busy roads.
- Implement cross ventilation or trickle ventilation to single orientation apartments.

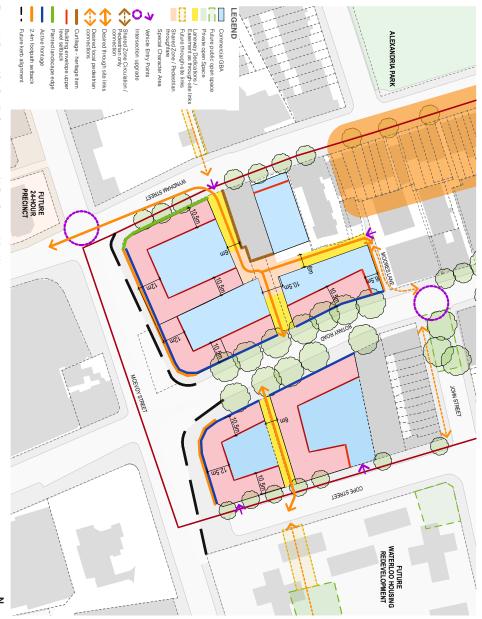


Figure 336: Proposed Site Specific Controls precinct - McEvoy Precinct - Mixed Use development



6.5 Schedule of proposed public domain upgrades

		PROPOSED PUBLIC DOMAIN UPGRADES
Description	Location	Comments
New Public Space	Regent Street / Gibbons Street Gateway	Reclamation of road space with re-alignment of Regent Street / Gibbons Street one-way pairs. A three way intersection to be implemented to quieten Regent Street traffic conditions and facilitate continuation of Gibbons Street as a movement corridor.
		Potential for Public domain 'gateway'. The works should encompass highway improvements at this key 'gateway' junction as well as adjacent public realm improvements.
	Private public domain - 131 Regent Street	Redevelopment of the prominent corner site for improved retail space with commercial uses above.
		Encourage mural and public art to be incorporated into the public domain. Open space and landscape improvements proposed as a significant meeting place or meeting area for the Indigenous community.
		Significant improvements to the quality of this important key corner site at the northern end of the Regent Street will help to create a new gateway into the area.
Active frontages	Regent Street	Reinforce existing active frontages by encouraging transition from residential to commercial at ground floor.
		Encourage continuation of awnings where possible.
	Botany Road	Require new development to provide active frontages at Botany Road and McEvoy Street corner.
Road Infrastructure /	Gibbons Street - opposite Redfern station	Encouraging east-west connection through Marian Street laneway.
Intersections / Crossings	Waterloo Metro Station Transport Interchange - signalised	To be located such that direct line of sight is seen through Waterloo Metro station public domain and any future through-site links.
	crossing	Adjustments to traffic signal timings and junction layout to improve efficiency and capacity.
	Upgrade to Henderson Road Intersection	Implementation of two-way pairs at Regent Street and Gibbons Street
	Regent Street - opposite Jack Floyd Reserve	Signalised or zebra crossing to be implemented at the south
	Regent Street / Lawson Square intersection upgrade	Upgrade to existing condition to implement two-way pairs and cycle infrastructure
	Cope Street road closure	Conversion of road space to public domain with possible shared zone / limited service access for vehicles.
	McEvoy Street / Wyndham Street intersection	Upgrade for increased pedestrian safety
	Botany Road / John Street intersection	New signalised intersection to enable east-west crossing
Cycleways	Henderson Road separated cycleway	Emphasis on improving pedestrian and cycle safety, reducing queues on intersecting roads.
	Existing Buckland Street / Wellington Street upgrade	Cycleway continuation at Wellington as either separated cycleway or on-road cycleway. Continuation of cycleway through future Waterloo Housing redevelopment is desired.
	Lawson Square cycleway continuation	A new separated cycleway with continuation on to Wells Street on road cycle path.
Urban tree canopy	Entire study area	Boulevard of indigenous trees along Regent Street, implementation of street tree canopy to maximise canopy cover and reduce heat island effect.