

# Planning Proposal Urban Design Report

15-23 Hunter Street  
& 105-107 Pitt Street

Milligan Group  
Planning Proposal Urban Design Report  
May 2022

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Structure TTW

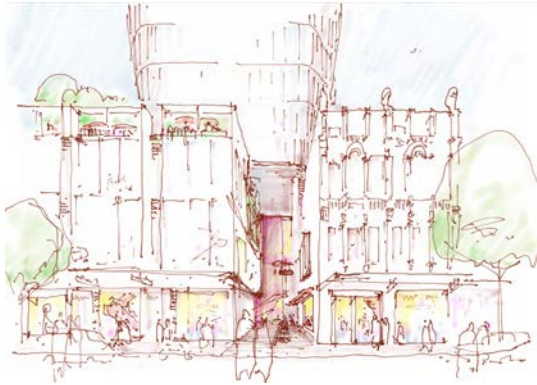
Project Number 12353

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# 1.0

## Introduction

This document forms part of a planning proposal prepared by Bates Smart for and on behalf of Milligan Group for the site at 15-23 Hunter Street and 105-107 Pitt Street. It describes a planning and massing strategy for a new mixed-use podium and a commercial tower at the corner of Hunter Street & Pitt Street in the centre of Sydney's CBD.

### DEVELOPMENT SUMMARY

Site Area	2,108 m <sup>2</sup>
Podium Retail GFA	5,465 m <sup>2</sup>
Rooftop Bar / Restaurant GFA	2,390 m <sup>2</sup>
Commercial GFA	43,300 m <sup>2</sup>
Articulation & Facade Zone Allowance	
Percentage of Envelope	15%+
Total GFA	51,150 m <sup>2</sup>
Proposed Above Ground FSR	22.26 : 1
Proposed Below Ground FSR	2.00 : 1
Maximum Height	RL 222.5m 52 Levels





# 1.1 Site Location

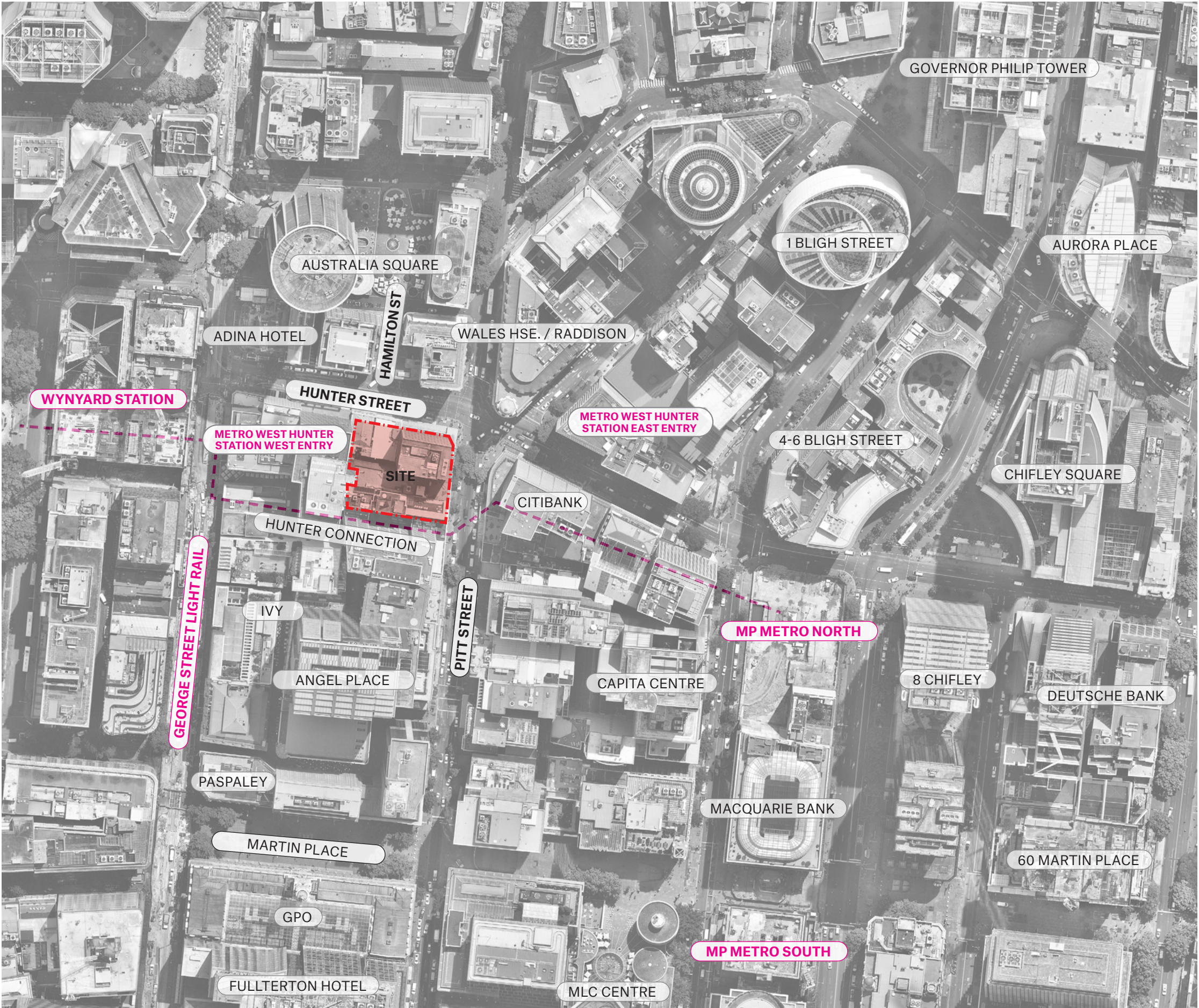
The site is located on the corner of Hunter and Pitt Street in the central zone of the CBD. It is in close proximity to Wynyard Station, George Street Light Rail, and the Northern Entrance to the Martin Place Metro.



Image: Bates Smart / Base photography by Mark Merton of Sydney Images and commissioned by Milligan Group



The site is well positioned in the heart of the CBD, with Australia Square to the North and Martin Place to the South.





# 1.2 Site Amalgamation

The site is comprised of:

- / 15-17 Hunter Street (City Lodge)
- / 19-21 Hunter Street
- / 23-25 Hunter Street (Currency House)
- / 107 Pitt Street
- / 109 Pitt Street

Combined Site Area: 2,108 m<sup>2</sup>  
Hunter Street Frontage: 48.2 m  
Pitt Street Frontage: 39.2 m



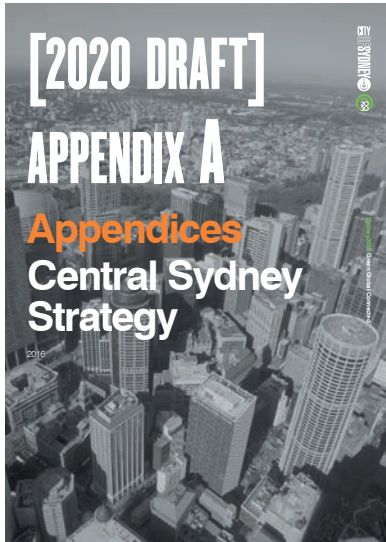


The proposed site amalgamates the following isolated sites, as defined by the City of Sydney's Central Sydney Planning Strategy

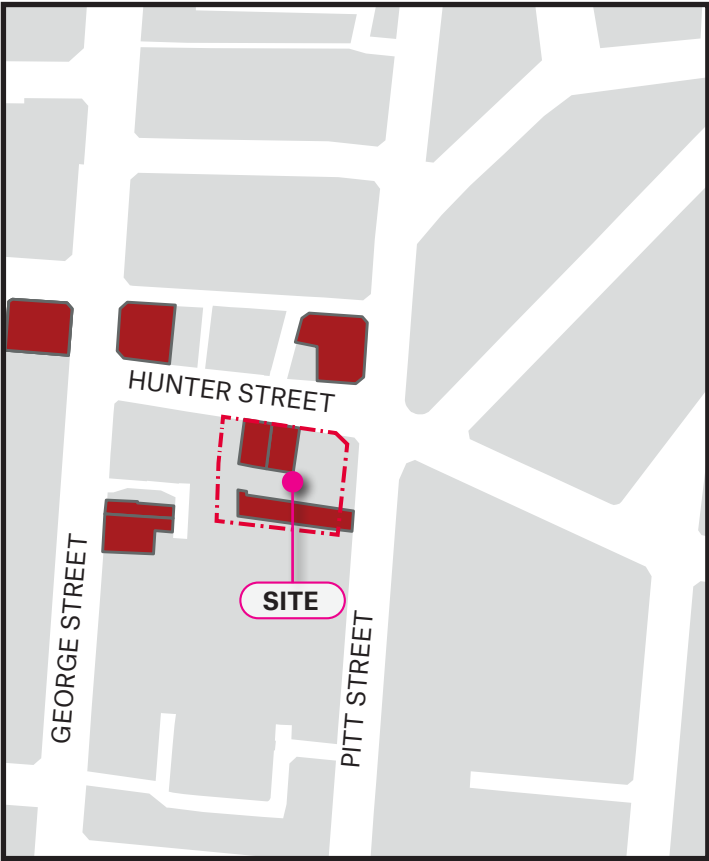
15-17 Hunter Street,  
19-21 Hunter Street, and  
107 Pitt Street

Isolated sites

Under the planning controls sites smaller than 800 square metres are limited to 55 metres in height to ensure a good urban design outcome. This means those sites need to amalgamate with other sites to achieve the maximum floor space. Sites smaller than 800 square metres and isolated by other excluded properties have been excluded as it is unlikely under existing planning controls that they will amalgamate and achieve their full capacity. Isolated sites are shown on Figure A\_08 Isolated sites.



Source: 2020 Draft of The Central Sydney Planning Strategy Document prepared by The City of Sydney



A\_08  
Isolated sites  
Isolated Sites





# 1.3 Site Photographs

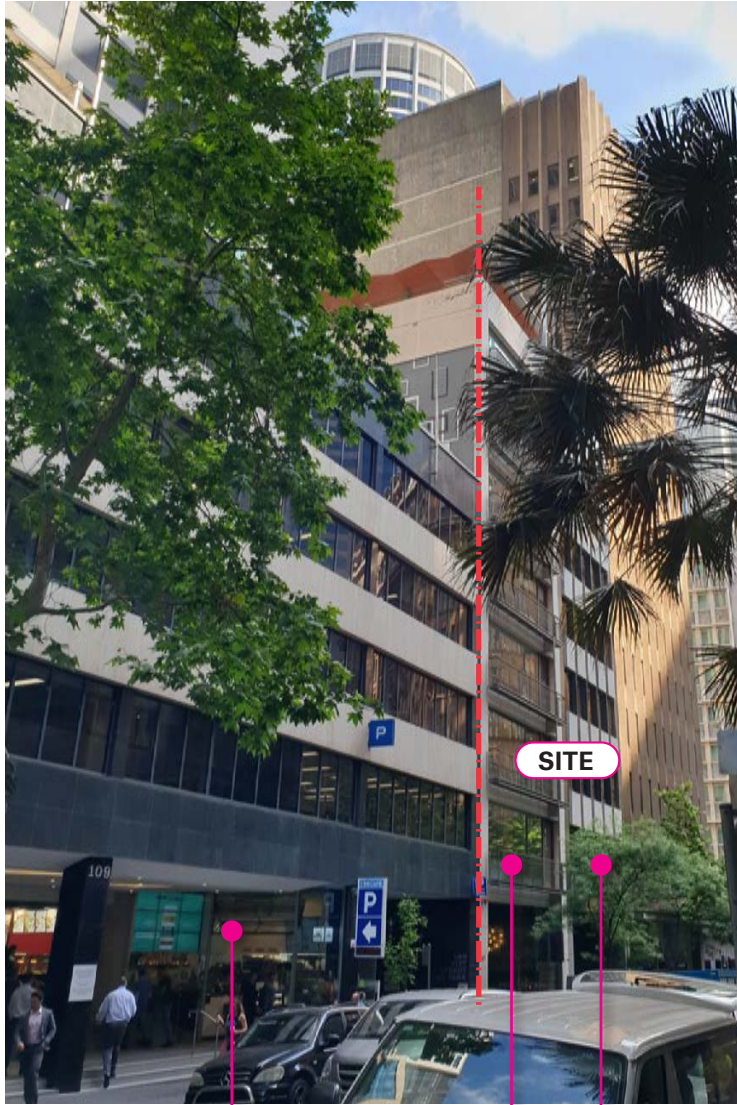
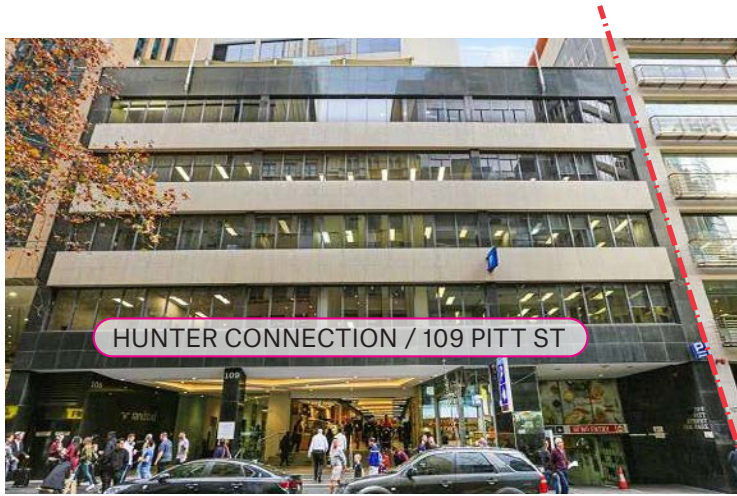


Image source: Bates Smart



Image source: supplied



Image source: 9 Hunter Street Prospectus



# 2.0

## Site Context

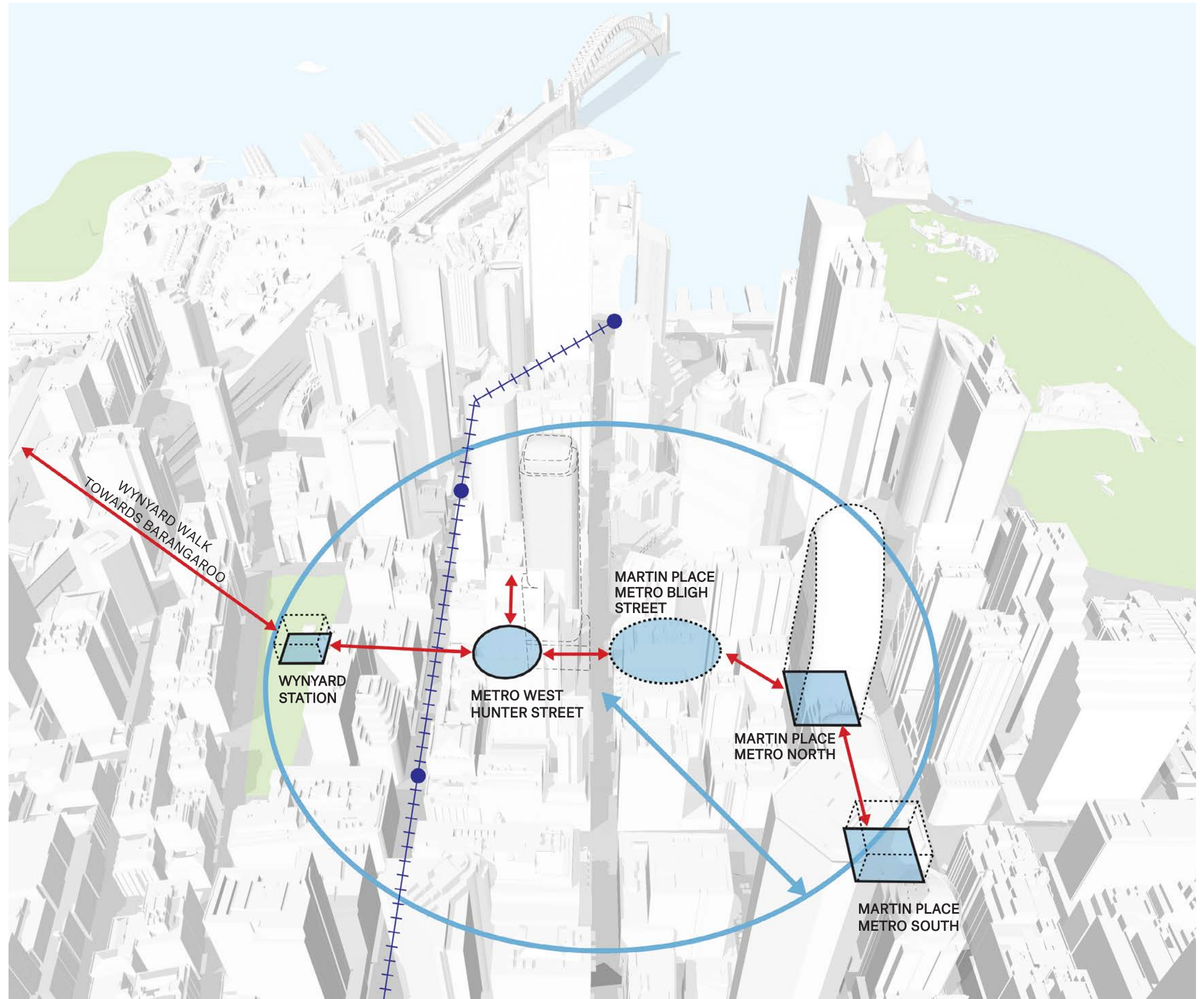
15-23 Hunter Street and  
105-107 Pitt Street Sydney





## 2.1 Transport Connections Current and Future

The site is exceptionally connected and is in a prime position to link to the Martin Place Metro Station's Bligh Street entrance, in addition to the future Metro West Hunter Street Station located next door.



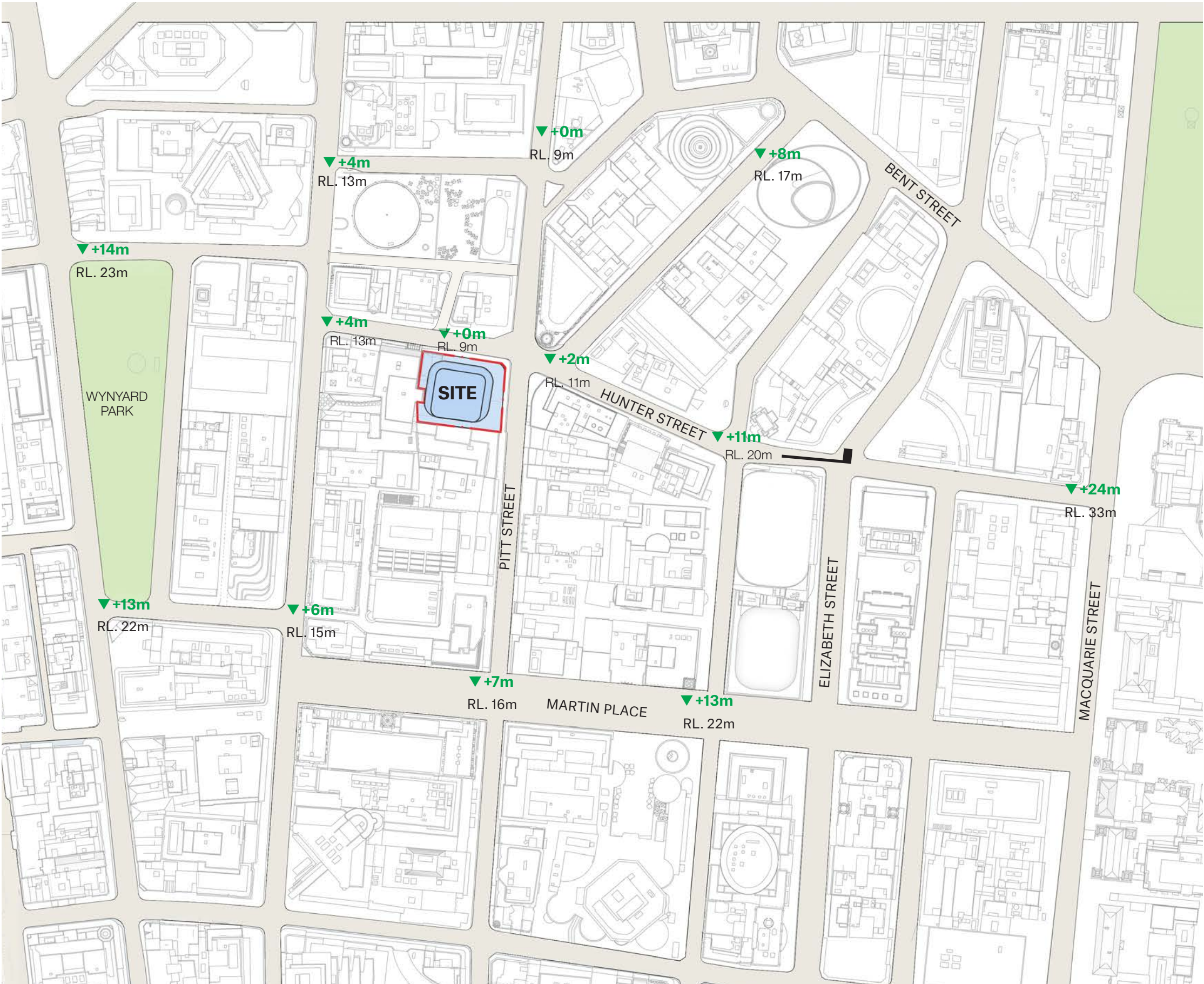


# 2.2 Topography

The Site is located at the base of several converging slopes. To the West the terrain rises towards Wynyard Park and to the East the terrain rises towards Shakespeare Place.



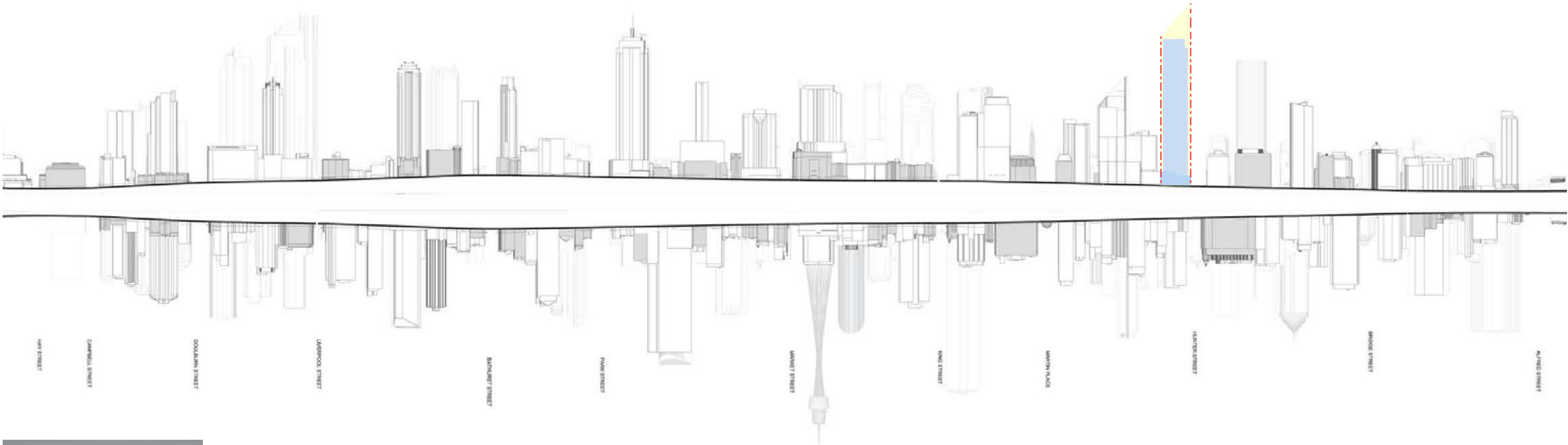
Image source: The City of Sydney's Central Sydney Planning Strategy



SITE (15-23 Hunter Street and 105-107 Pitt Street) = +0m = RL. 9m      Image source: Bates Smart

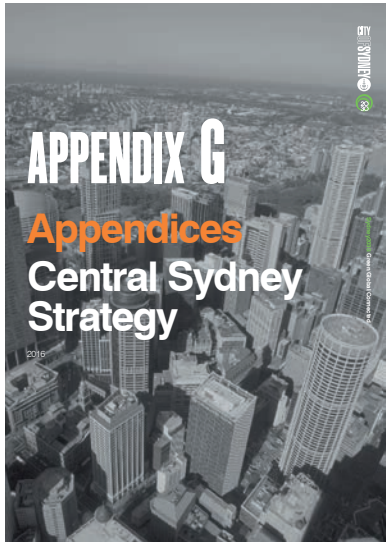
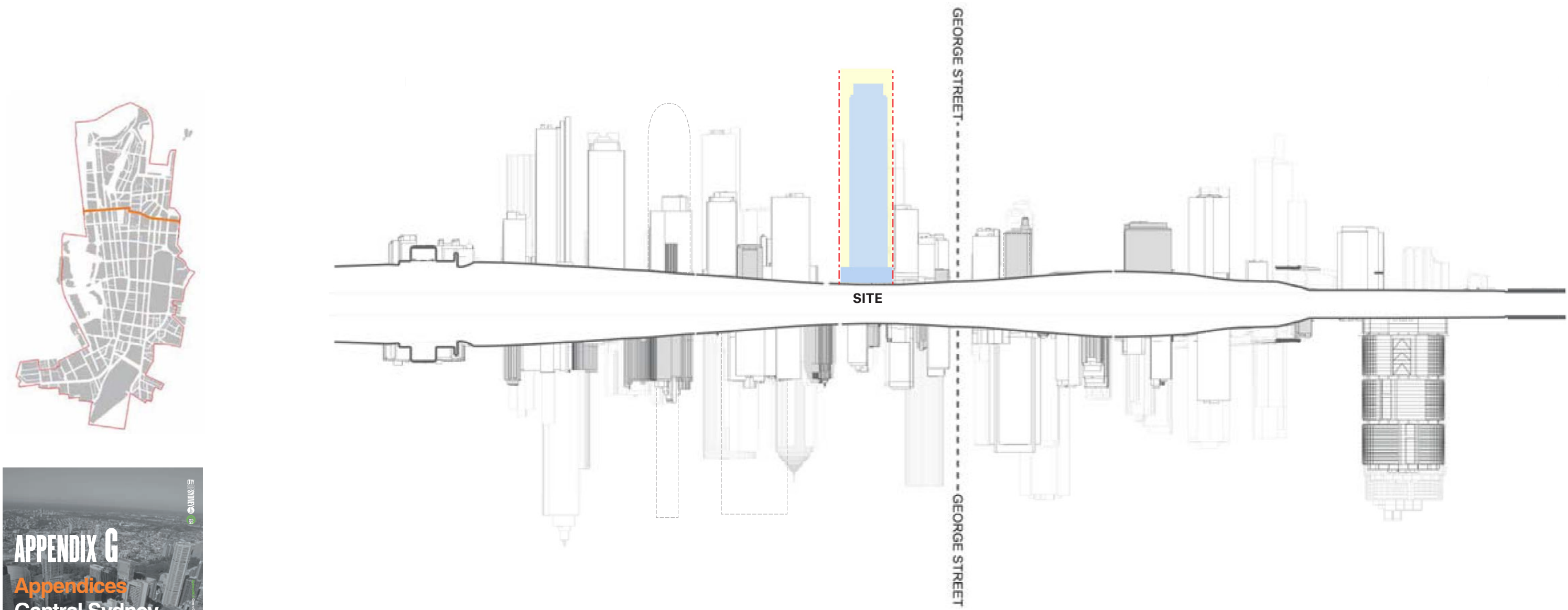


# 2.3 Context Sections Pitt Street





2.3  
Context Sections  
Hunter Street





# 2.4 Context Elevations Hunter Street

The site sits within the central zone of Sydney CBD, and is well sheltered from wind by current and future/approved buildings. It is well-connected to transport, including Wynyard, the George Street Light Rail, and the currently-under-construction Martin Place Metro.

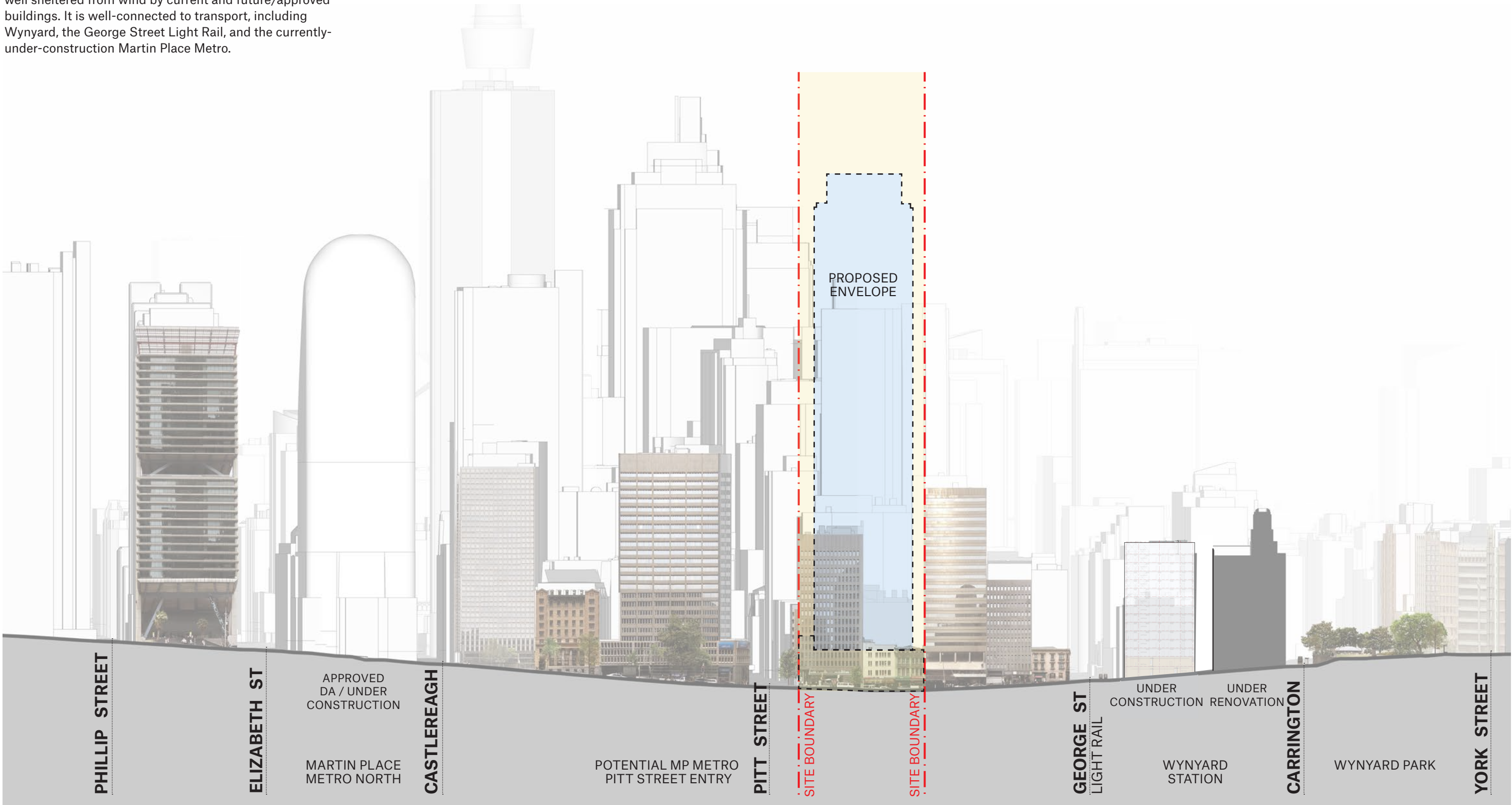


Image source: Bates Smart



# 2.4 Context Elevations Pitt Street

The site is currently home to relatively small existing buildings when compared with their taller central CBD context, with Australia Square and the future Lend Lease Tower to the North, and Angel Place to the South.

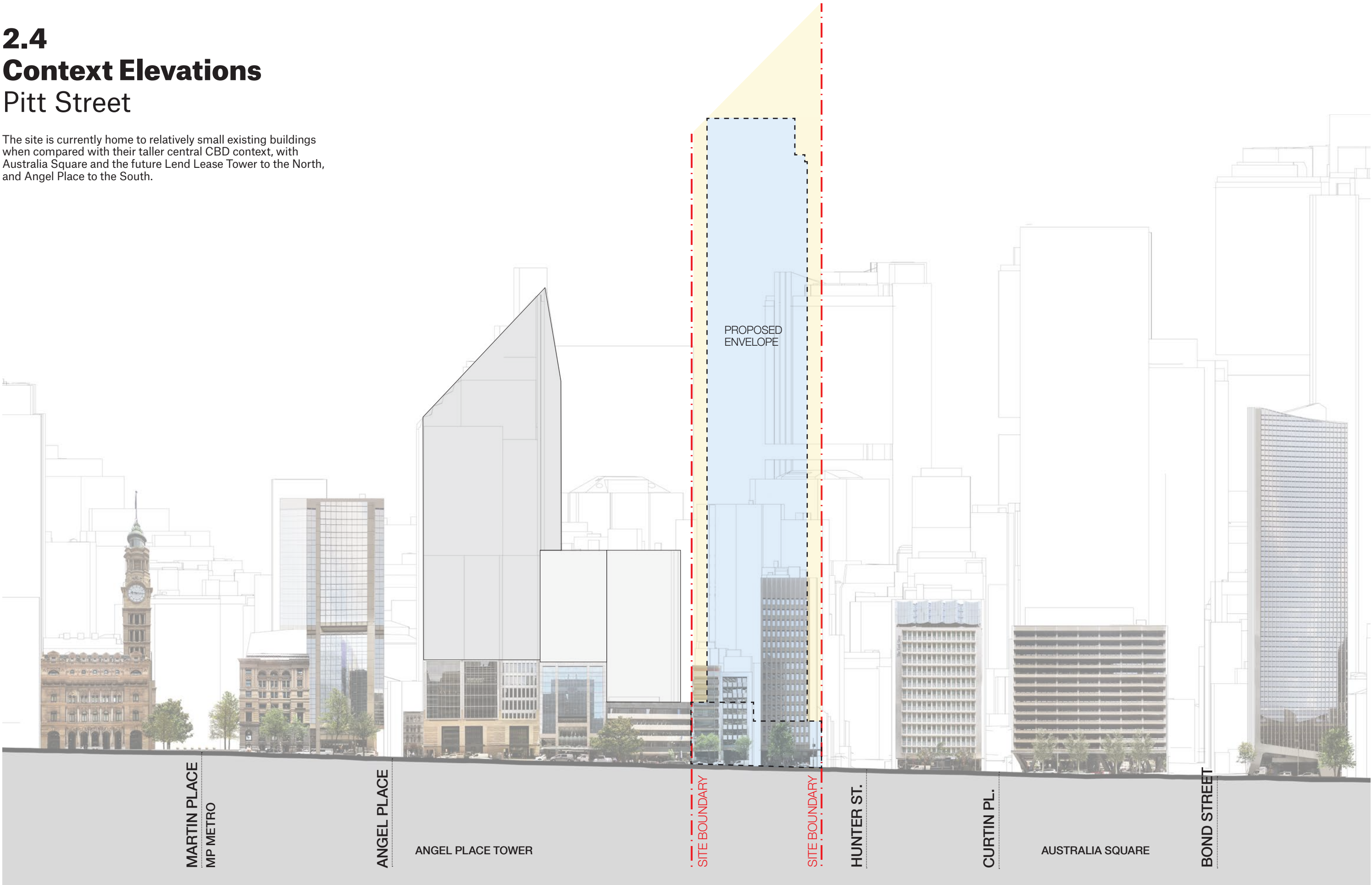


Image source: Bates Smart



## 2.5 Tower Setbacks

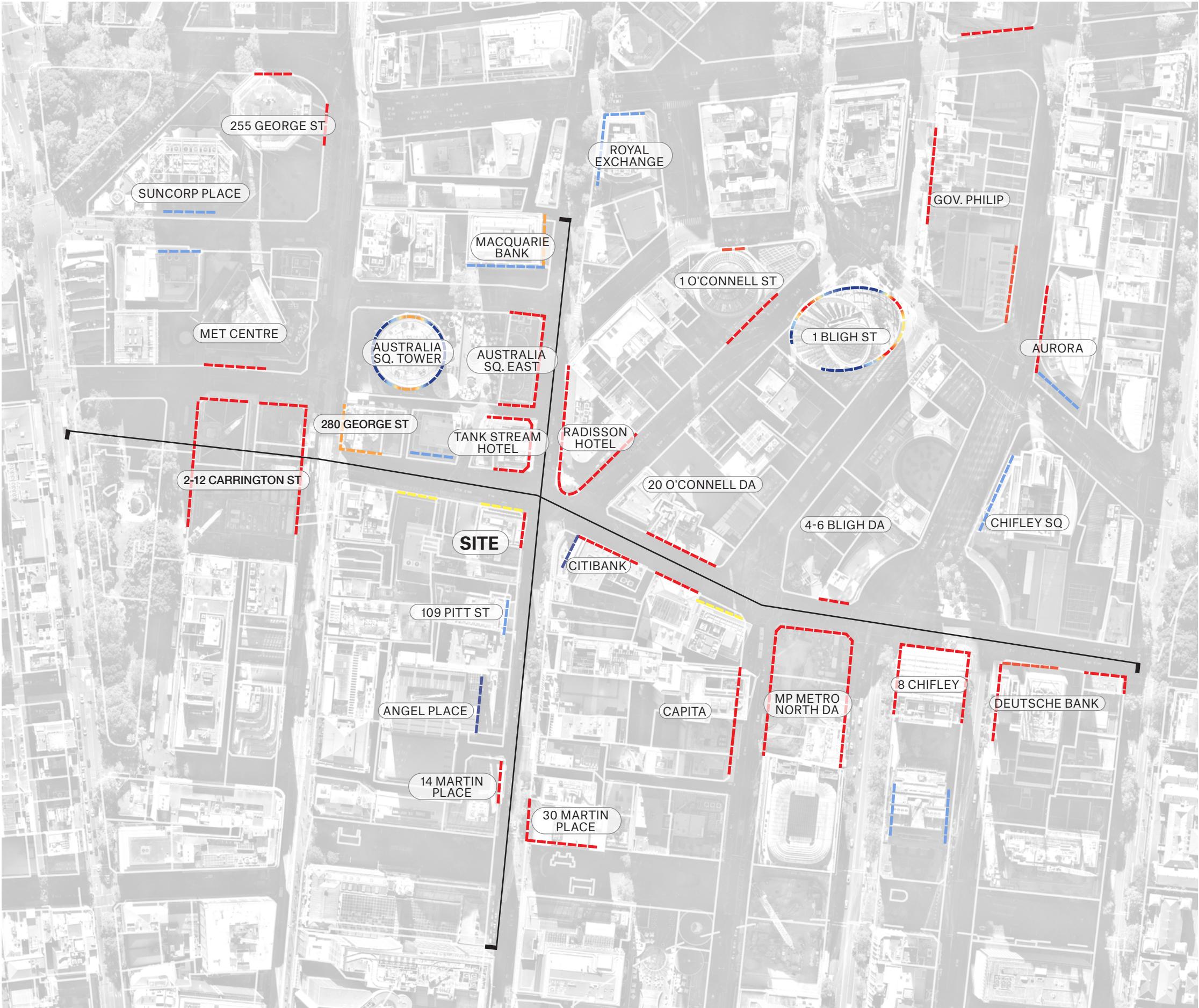
The local context constitutes towers with a range of setbacks, from 0m to 8m. Hunter Street in particular has a number of towers with minimal setbacks.

The proposed tower for this site generally has greater setbacks than others within the surrounding context. This helps reduce sky view impact and potential wind impacts.

### EXISTING AND APPROVED BUILDINGS 50M AND OVER

- 0m Setbacks
- 1m Setbacks
- 2m Setbacks
- 3m Setbacks
- 4m Setbacks
- 5m-7m Setbacks
- 8m+ Setbacks

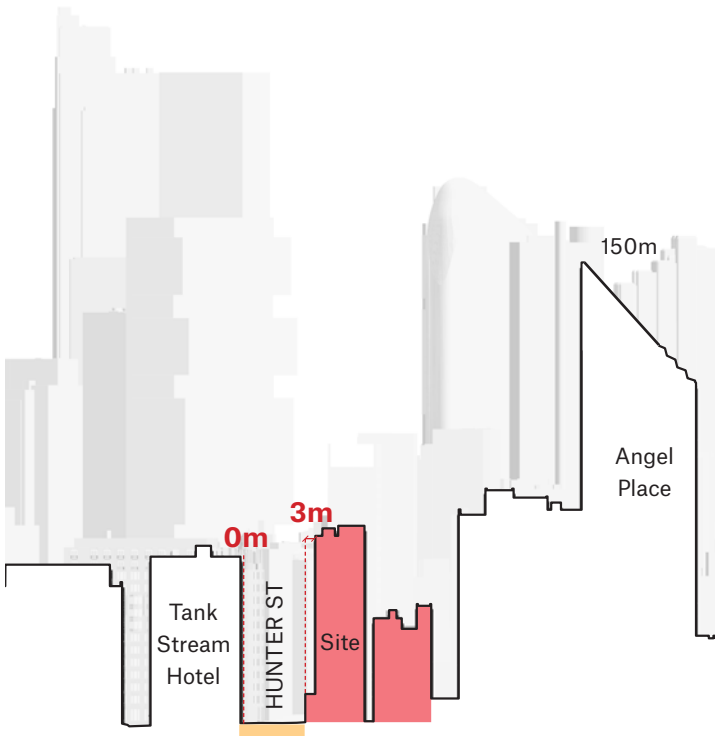
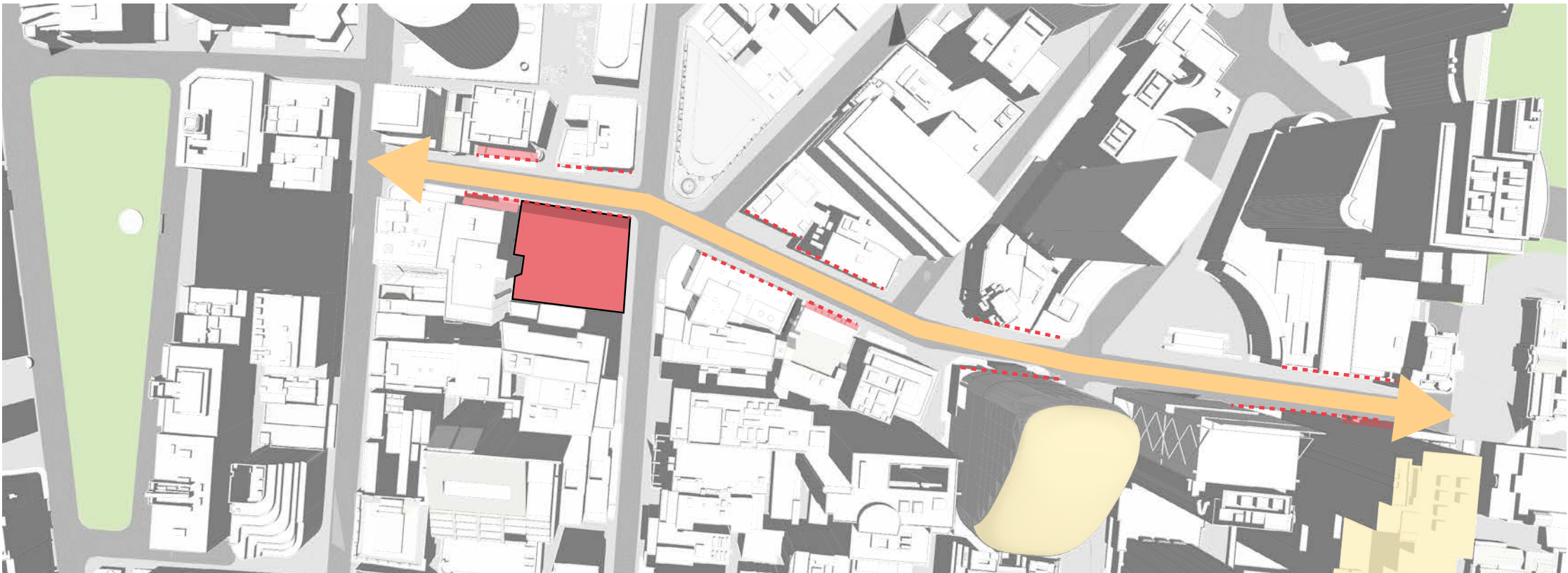
Image source: Bates Smart + Nearmap





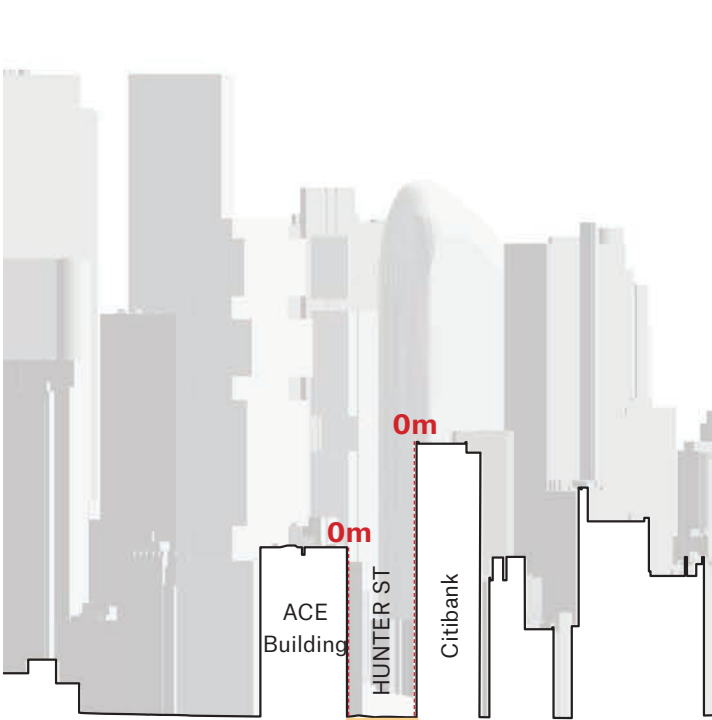
# Hunter Street

Setbacks for towers on the southern side of Hunter Street are typically 0m.

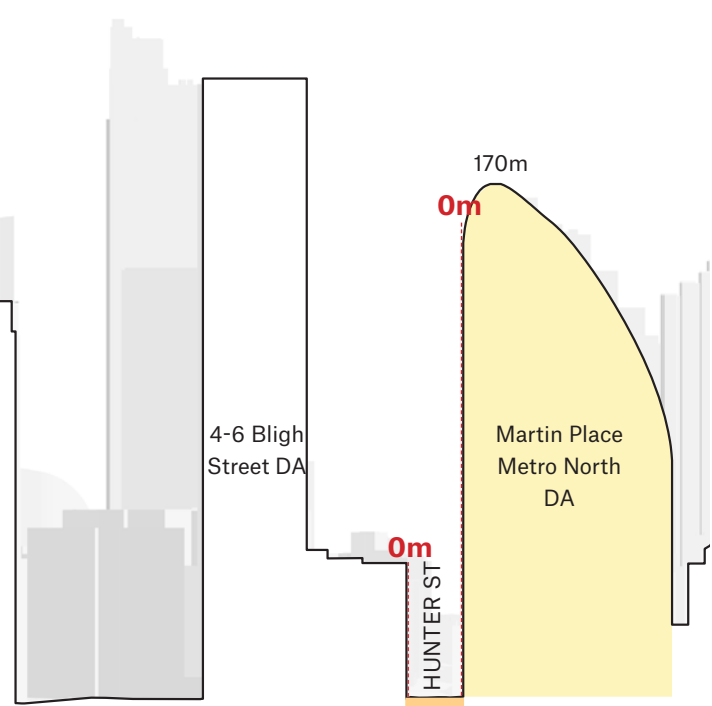


SECTION 1

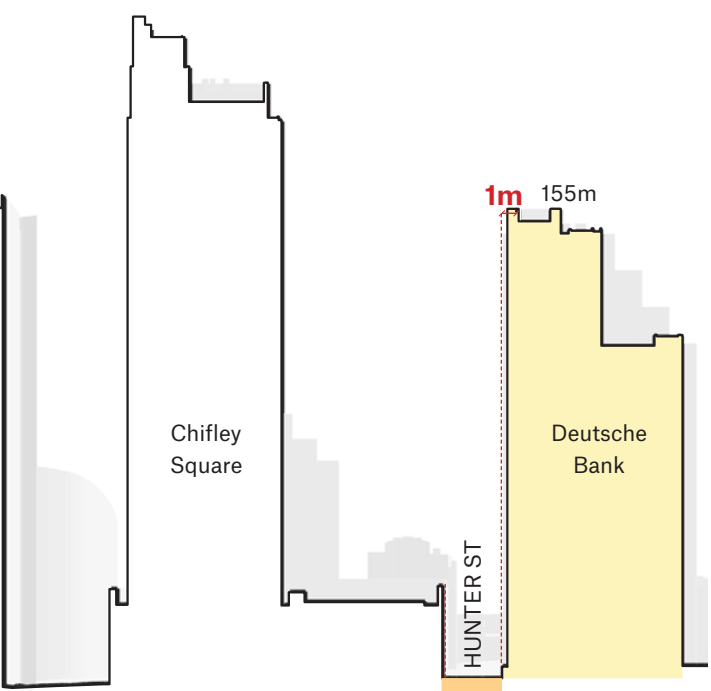
Image source: Bates Smart



SECTION 2



SECTION 3

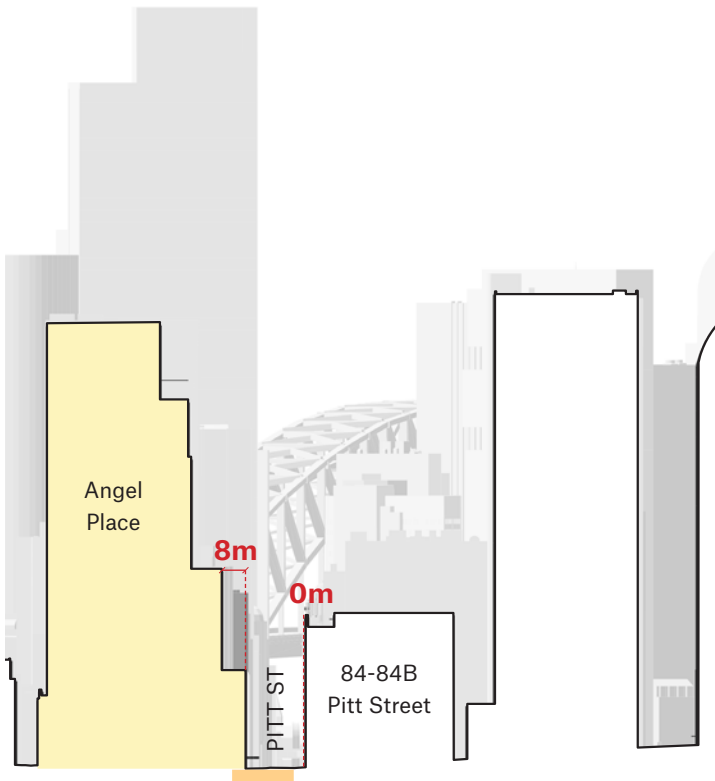
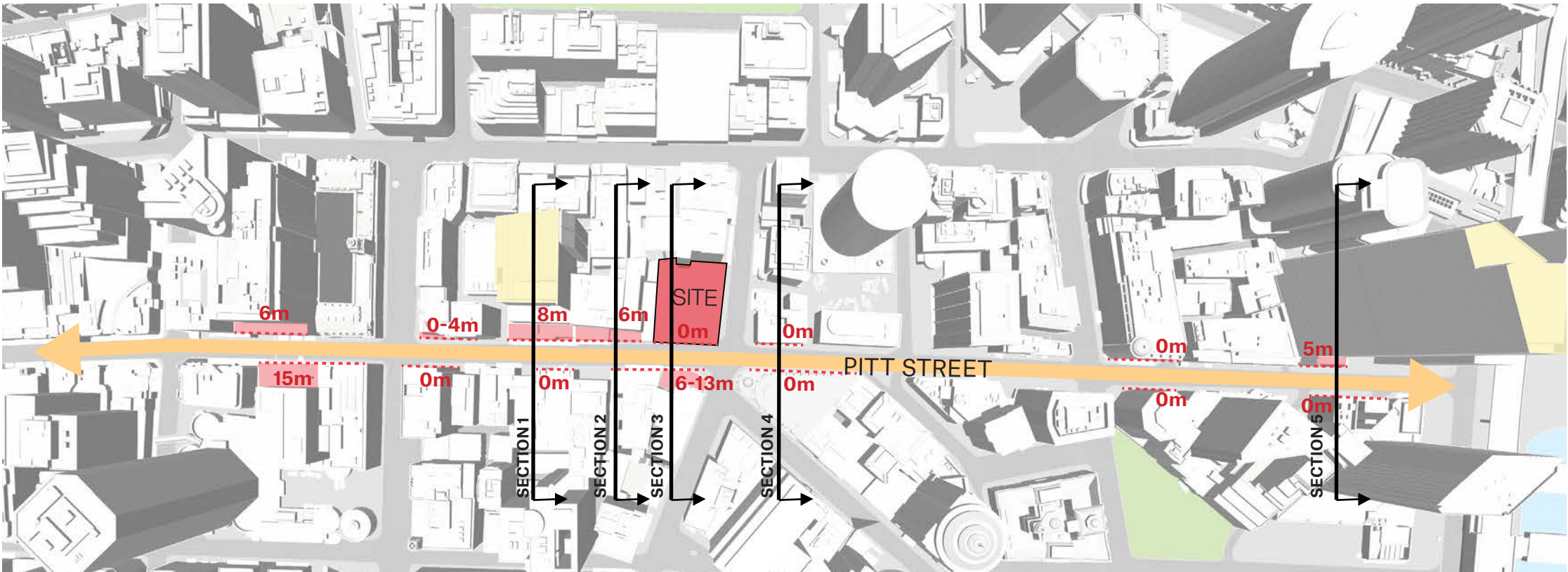


SECTION 4



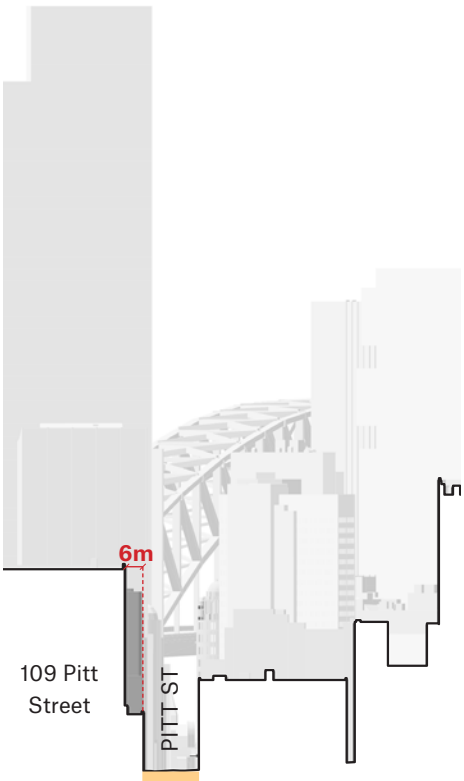
# Pitt Street

Pitt Street has a collection of different setbacks. Typically taller towers are set back from the street whilst low scale buildings form a street wall.

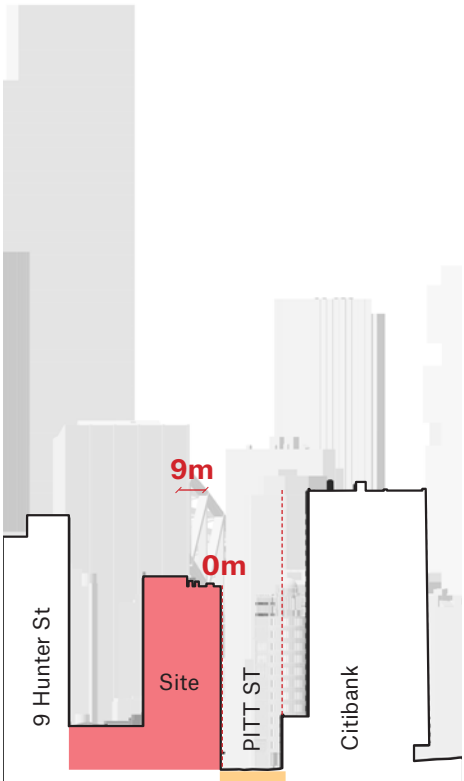


SECTION 1

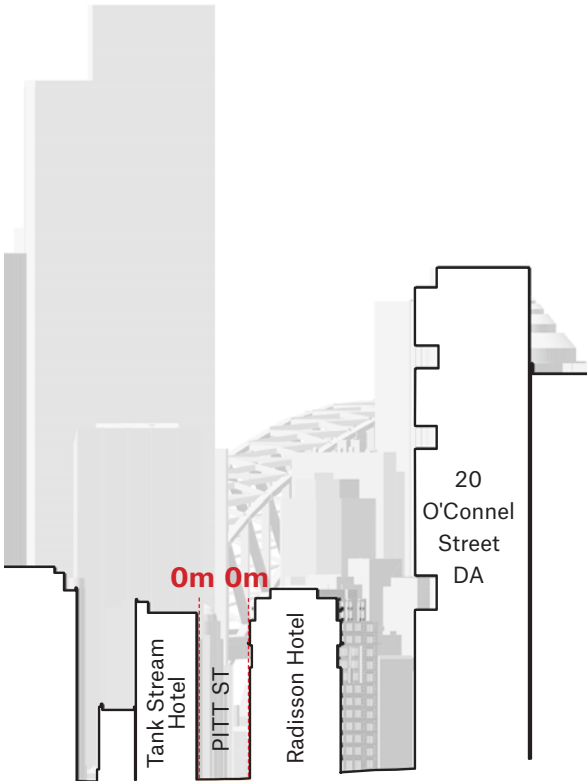
Image source: Bates Smart



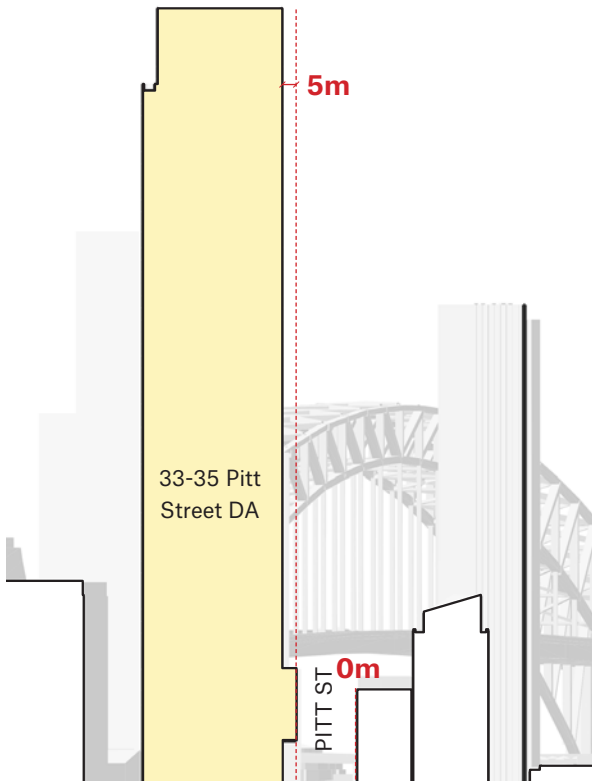
SECTION 2



SECTION 3



SECTION 4



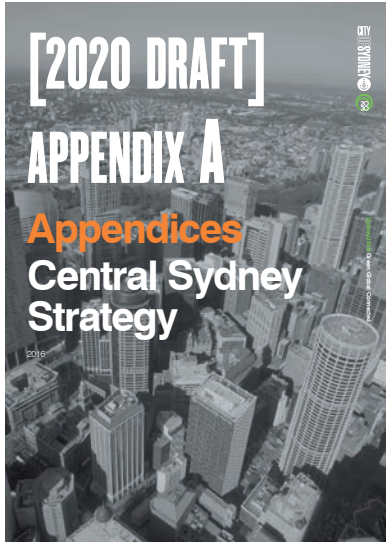
SECTION 5



# 2.6 Surrounding Strata Titled Sites

Strata-titled sites are difficult to develop due to the number of independent owners.

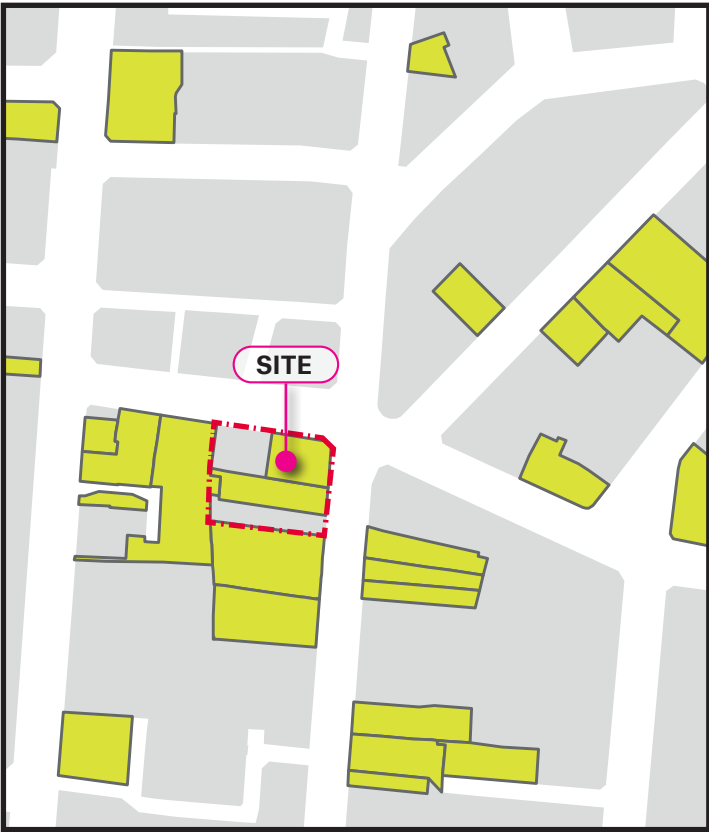
These sites are clearly constrained in the Central Sydney Planning Strategy for this reason.



Source: 2020 Draft of The Central Sydney Planning Strategy Document prepared by The City of Sydney

## Strata titled properties

All strata titled properties, commercial and residential, are excluded as they are difficult to redevelop under current NSW legislation. Procedures under the *Strata Schemes (Freehold Development) Act 1973* mean that all owners in the strata plan must agree to redevelop a property. Agreement is very difficult and not expected where there are many owners and interests. There are 195 strata properties in Central Sydney as shown in Figure A\_05 Strata properties.



A\_05  
Strata properties

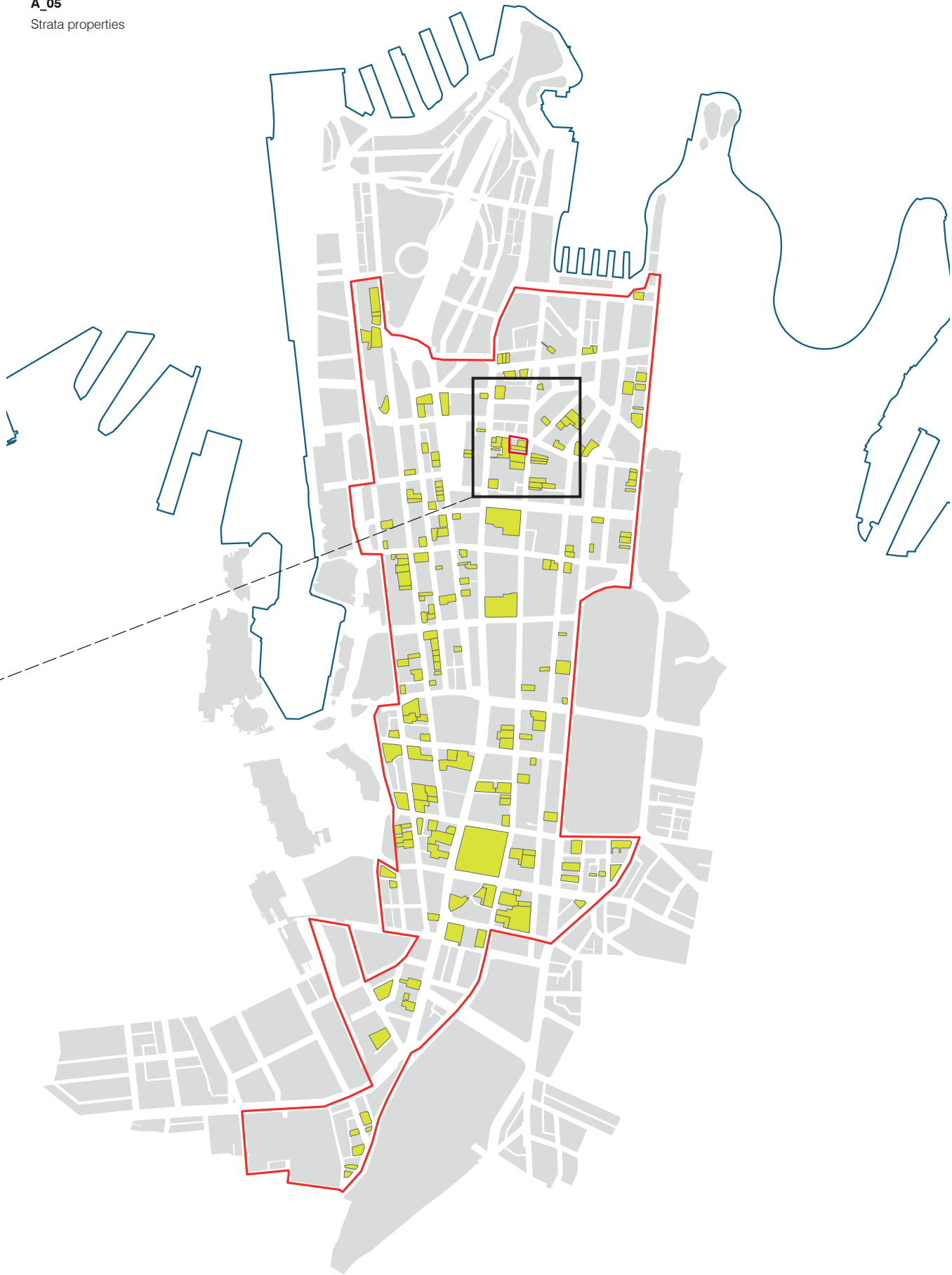


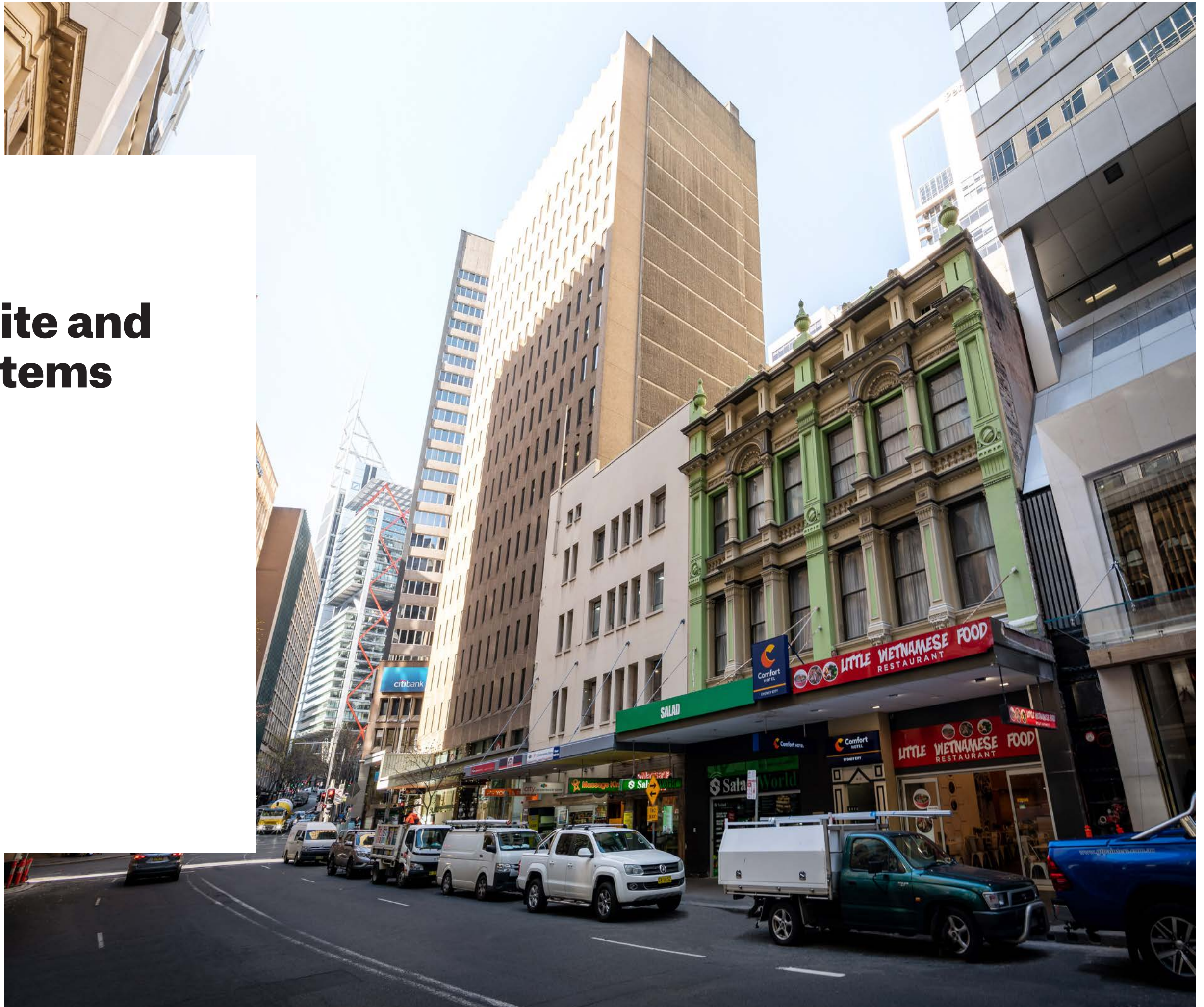
Image source: The City of Sydney's Central Sydney Planning Strategy



## 3.0

# Existing Site and Heritage Items

15-23 Hunter Street and  
105-107 Pitt Street Sydney





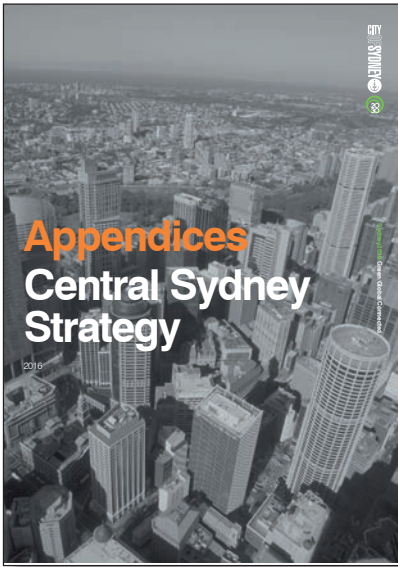
# 3.1 Heritage Items

No part of the site is currently heritage listed, with the exception of The Tank Stream, which runs underneath the site's western edge.

## Heritage items

Heritage items listed in the planning controls are excluded because the maximum potential floor space may not be able to be achieved due to the significance of the item. There are 270 heritage items in Central Sydney as shown in Figure A\_06 Heritage items.

The City's heritage floor space scheme enables some of the capacity to be on-sold to other development sites. This floor space is captured in the total capacity for other sites as its purchase is a requirement of the 'accommodation floor space' bonus. Therefore the transfer of heritage floor space is not counted in this study.



Source: The City of Sydney's Central Sydney Planning Strategy

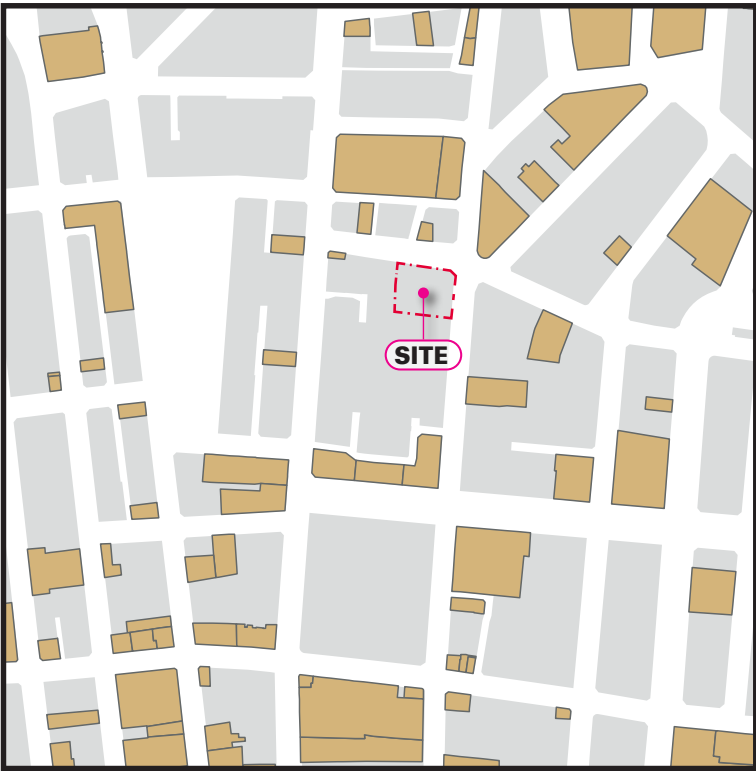


Image source: The City of Sydney's Central Sydney Planning Strategy



# 3.2 Tank Stream

The tank stream is a former fresh water tributary of Sydney Cove, and is now a heritage listed tunnel structure running underneath much of Sydney's CBD.

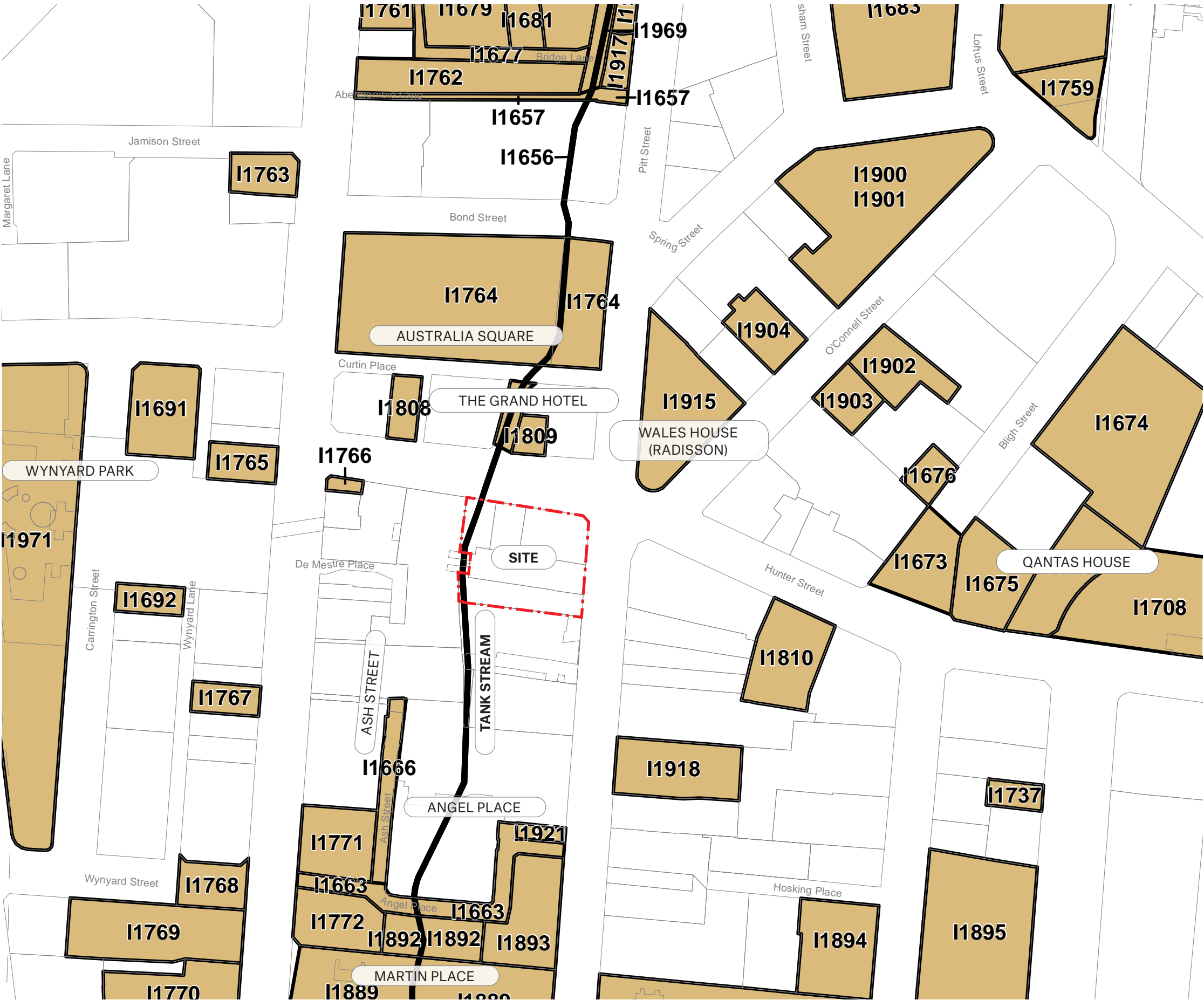




Image source: City of Sydney LEP Maps




**Sydney**  
Local Environmental  
Plan 2012

Heritage Map - Sheet HER\_014

**Heritage**

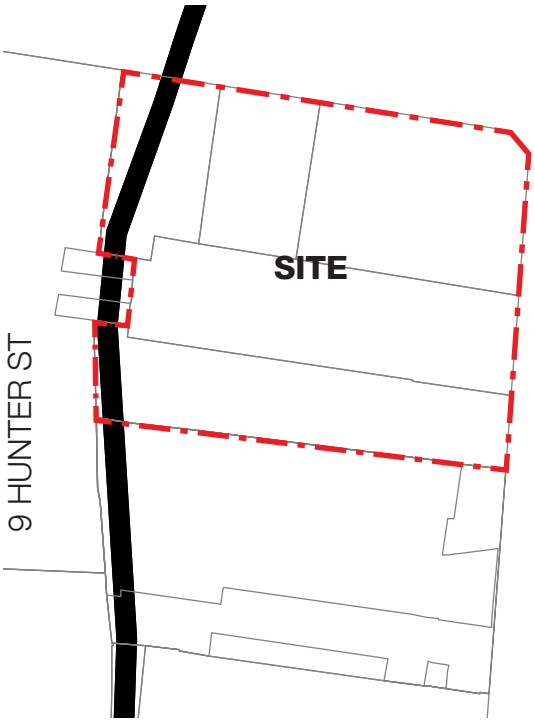
 Item - General

**Cadastre**

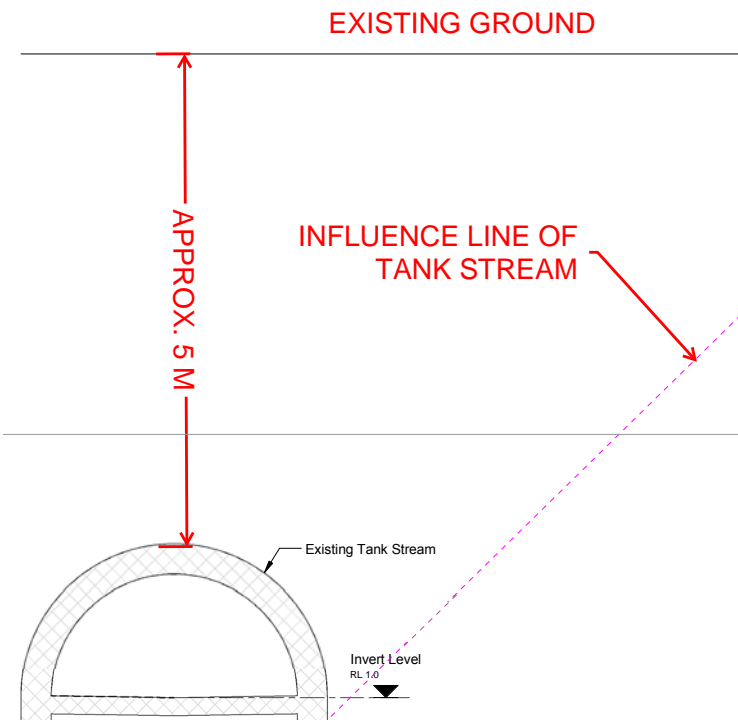
 Cadastre 03/12/2015 © City of Sydney



A report by Acor consultants for an earlier approved DA on the subject site (D/2006/2107), suggests the location of the tunnel is roughly 5m below the existing ground line, and that the location corresponds with that shown in the City of Sydney LEP Maps.



HERITAGE MAP - SHEET HER\_014



SECTION BY ACOR CONSULTANTS FOR DA FOR NO. 19-21 HUNTER STREET



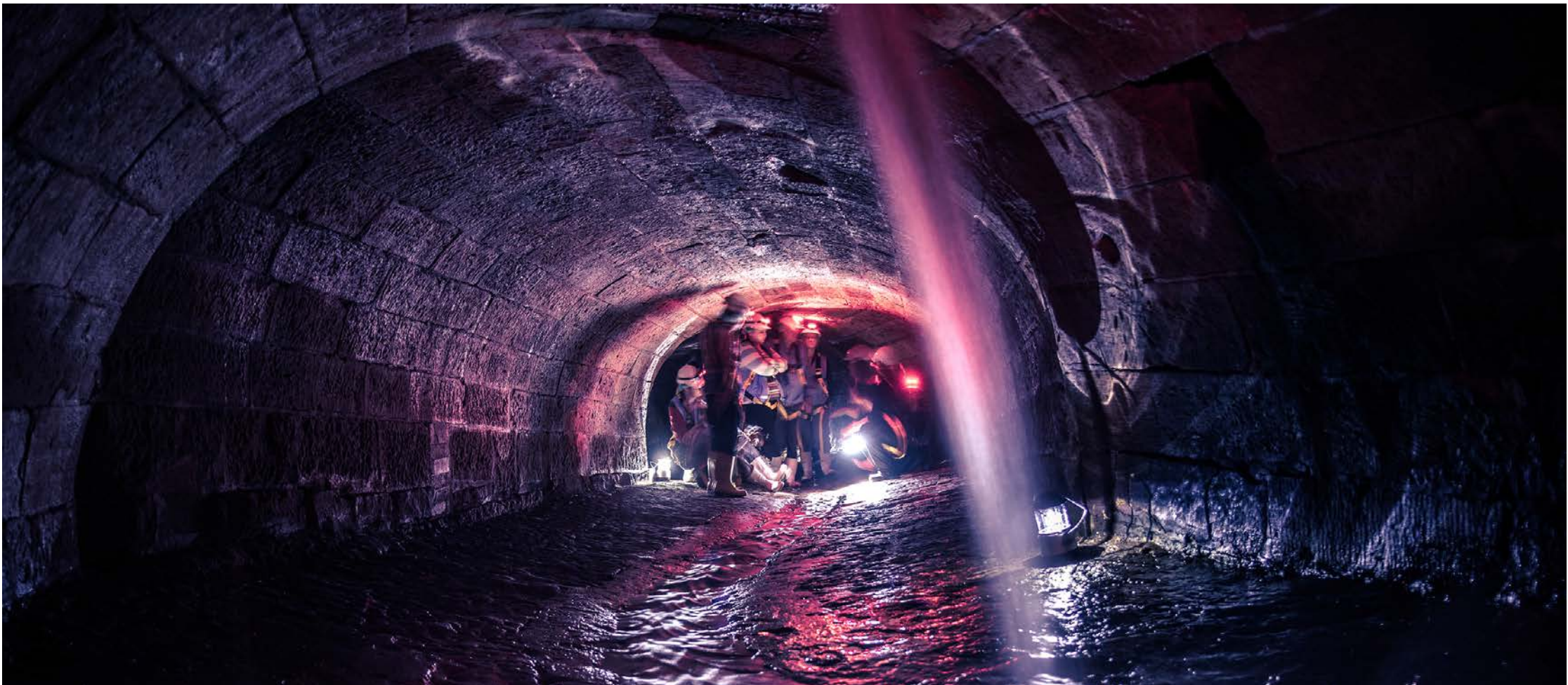
CREDIT: SYDNEYGPOURHERITAGE.COM/TANK-STREAM

**THE TANK STREAM**

"The surviving fabric of the Tank Stream extends from King St through to Circular Quay in Sydney's CBD. Throughout its history it has served a number of purposes and has undergone a number of alterations. The Tank Stream is classified as having state significant heritage listing. We understand from a review of the available survey and authority's information that The Tank Stream extends below the existing building at No.15-17 Hunter St. It is understood that the crown of the Tank Stream structure is likely at RL3m which is approximately 5m below Hunter St."

- Acor Consultants, 23rd Jan 2019

NOTE: It is possible that the concrete lift cores of the adjacent property, 9 Hunter Street, have truncated a portion of The Tank Stream, as they appear to sit over the top of it.



CREDIT" SYDNEY LIVING MUSEUMS - "Visitors on The Tank Stream Tour"



# Historic Survey Map - 1865 City of Sydney

A historic map of Sydney's early CBD dating back to 1865 appears to validate the position of the tank stream as indicated in the Sydney LEP maps and by Acor Consultants.

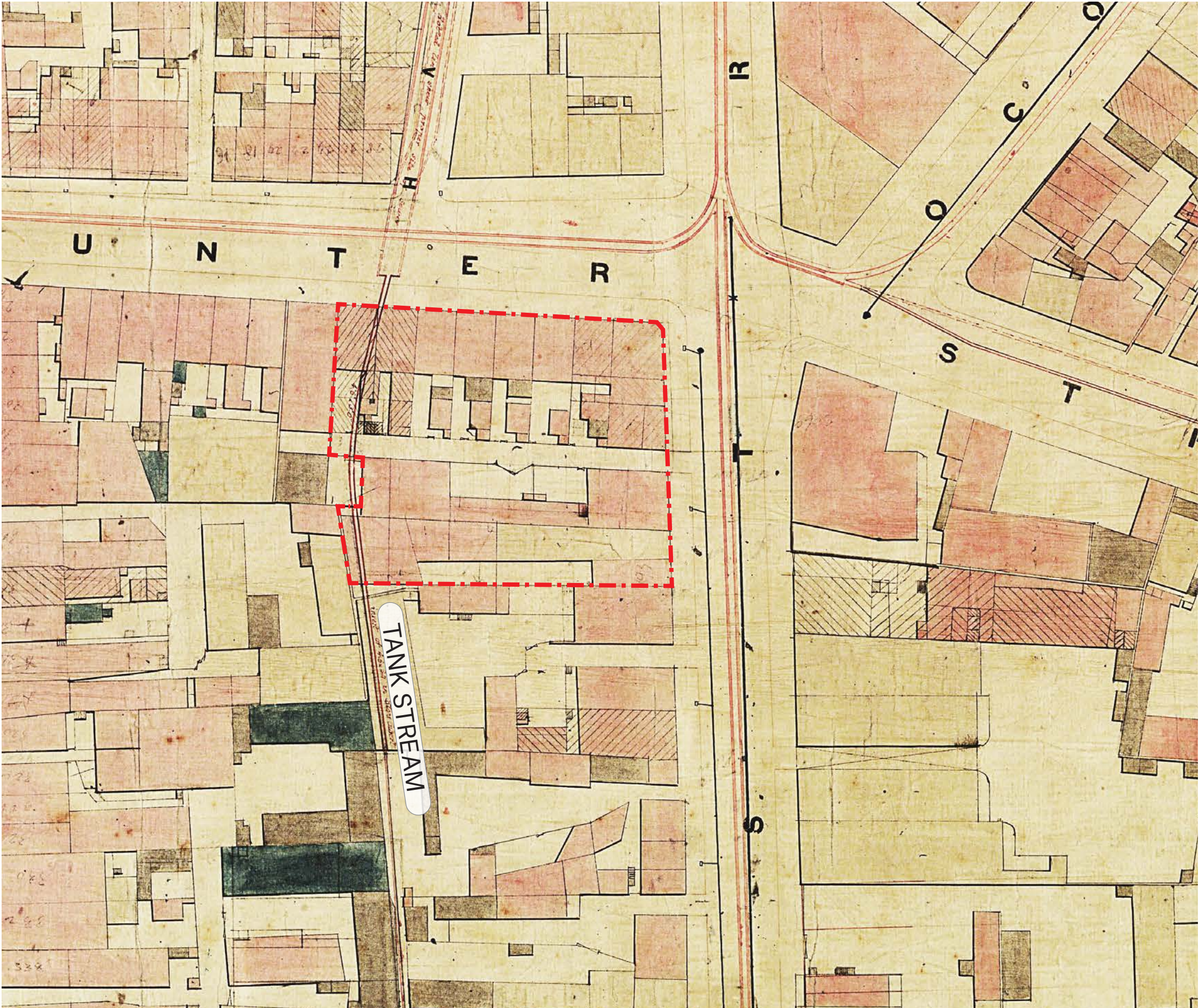


Image source: City of Sydney - Trigonometrical Survey, 1855-1865 series - City Surveyor's Department



### 3.3

## Retention of Existing Building

### 15 - 17 Hunter Street

#### KEY NOTES

The existing building is four-storeys, six-bays, and is built in a Victorian Italianate style.

The building is not currently defined as a heritage item of the Local or State Heritage Registers or in the CSPS.

The interiors have been significantly altered with the removal of much of the original fabric and detail.

The proposal is to restore and largely retain the entire building whilst providing access points to connect with the activated podium.



Image source: Approved DA D/2006/2017

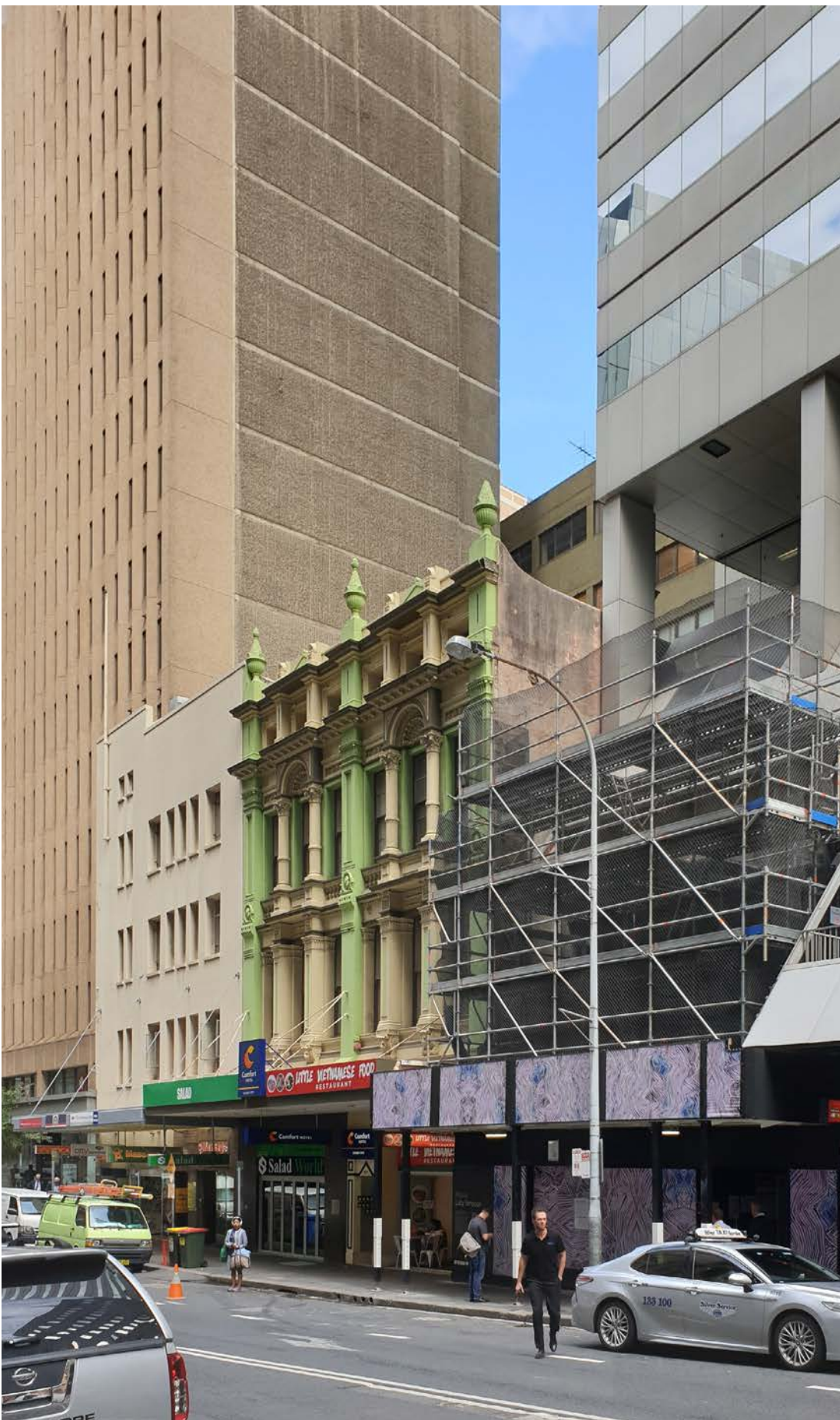


Image source: Bates Smart



# 3.4 Heritage Assessment of 15 - 17 Hunter St

TEXT SOURCE: OCTOBER 2021 HERITAGE IMPACT STATEMENT BY URBIS:

"This proposal seeks to heritage list the 19th century commercial building at 15-17 Hunter St (also known as Former Pangas House). Fromer Pangas House is a four-storey, masonry building with a heavily modelled façade, it is example of Late Victorian Italianate commercial architecture in the Sydney CBD. The original 3 stories were constructed in early to mid-1880, and an additional forth story was later added c. 1896."

Front Façade Description

"The original façade (above the awning) is intact and illustrates the c1896 condition. The façade features two bays, each with three sets of windows flanked with ornate columns. Likewise, the windowsills and window arches also feature decorative moulding."



Image of 15-17 Hunter St Façade

"The first, second and third floors are occupied by the Comfort Hotel, the interiors were reportedly rebuilt in 1986 and then once again in 2007, during which period, the upper floors were converted into a hotel."



Image of Comfort Hotel interior



Image of Comfort Hotel interior

Ground Level & Awning Description

"After undergoing an extensive modification, the ground floor currently consists of two contemporary shopfronts and the entrance to the hotel lobby. Also featured is an awning that dates from the mid-20th century. The extent of alterations on the ground floor and its interior ensures that no features of the original structure remain on the ground floor and therefore the ground level of the building has been deemed historically insignificant."

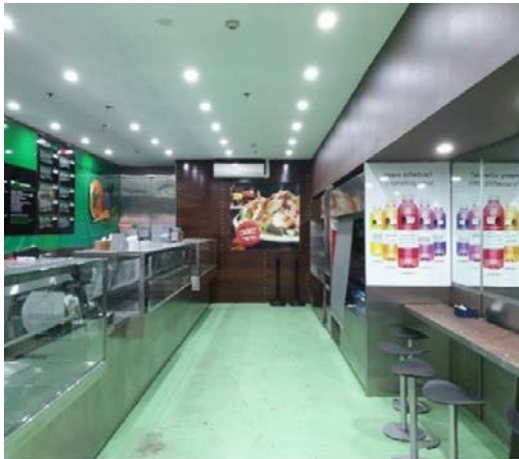


Image of shop front on ground level of 15-17 Hunter St



Image of shop front on ground level of 15-17 Hunter St

The proposal retains the existing 15-17 Hunter Street building. The proponent views the existing structure as an asset and wishes to retain, restore, and celebrate the structure in the proposed development.



Source: October 2021 Heritage Impact Statement by Urbis



Rear Empire Lane Façade Description

"The rear façade is located on Empire Lane. The rear façade is utilitarian in style and characteristic of commercial buildings of the period. Although the façade fenestrations has been modified, partly due to infill, remnants of the original rear loading bays (including original lifting beam and doors) remain."



Image of Rear Facade



Image of Current Empire Lane

Summary and Recommendations

"In February 2020, the City of Sydney were considering the heritage listing of the former Pangas House. Subsequently, Urbis was engaged by Milligan group to assess the historical significance of 15-17 Hunter St via Heritage Assessment. The report concluded that the building does not meet criteria for inclusion as heritage item. Stating that,

*"The former PangasHouse, 15-17 HunterStreet does not meet the criteria for heritage significance. The façade is a good example of the Victorian Italianate style as applied to commercial buildings and presents a well detailed façade, perhaps with the exception of the c.1896 third floor, which truncates the typical vertical proportions of the building. While it is acknowledged that the building façade above the awning is generally intact (to the c.1896 condition), and of some aesthetic and representative merit as a heavily moulded commercial building façade in the Victorian Italianate style, the interiors, ground floor and rear facades have been altered such that the collective value of the place is considered to be compromised. The Italianate style was common for buildings designed in the Victorian period and the building is not considered rare "* (Feb 2020, pg 22).

"However, The City of Sydney has decided to proceed with heritage listing of the Former Pangas House (15-17 Hunter St). In support of this decision Milligan Group seeks the heritage listing of the site. Consequently, the proposed redevelopment of the site seeks to retain and celebrate the structure and by facilitating its conservation and improved presentation to Hunter st. It is the only surviving example of 19th century architecture on the south side of Hunter St between George and Pitt St and is a remnant of the 19th century redevelopment of Hunter St."

"Supporting this position, a Heritage Impact Statement (Oct 2021, pg 31) prepared by Urbis argues that the former Pangas House, *'Is of heritage significance for its historic, aesthetic and representative values as a remnant of the 19th century commercial development of the CBD in the boom period of the 1880s.'* and therefore advocates for the heritage listing of the former Pangas House and its inclusion on Schedule 5 of the Sydney Local Environmental Plan 2012 (SLEP 2012)."



Image of 19th Century Hunter St

"Subsequently, the Heritage Impact Statement (Oct 2021, pg 44) prepared by Urbis recommends that future development of 15-17 Hunter St should consider the following:

- Form scale, materiality, articulation and the façade treatment of the proposed podium to respond to the adjacent building at 15-17 Hunter St.
- Extent of evacuation and sub surface works to ensure that there are no impacts to the retained commercial building at 15-17 Hunter st.
- Opportunities for the conservation and reinterpretation of the retained Victorian Italianate buildings. "



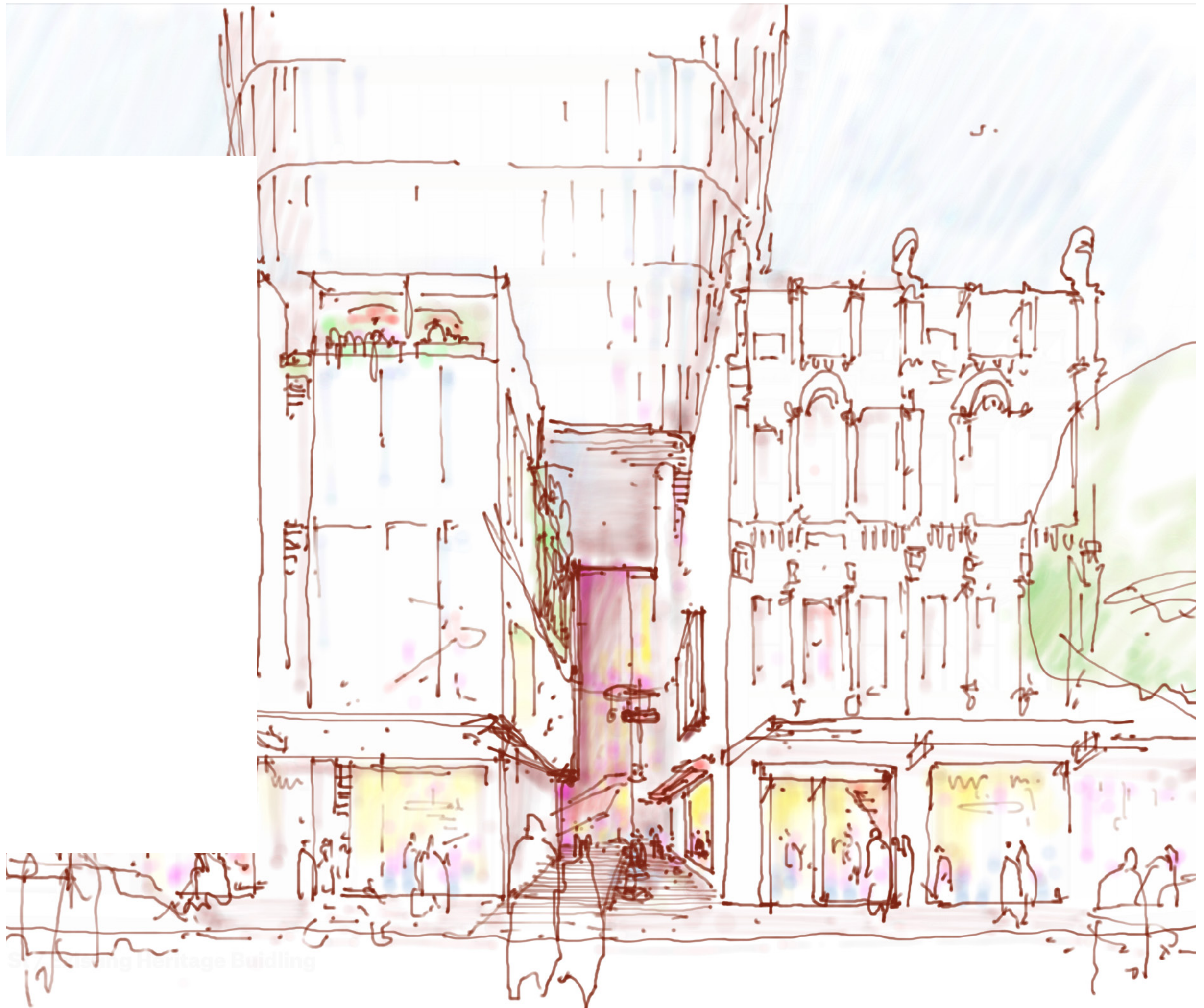
Source: October 2021 Heritage Impact Statement by Urbis



# 4.0

## Planning Context

15-23 Hunter Street and  
105-107 Pitt Street Sydney





# 4.1 Current Planning Controls

The Site is zoned as Metropolitan Centre (B8) according to the Sydney LEP 2012.

The maximum permissible floor space ratio on the site is 8 : 1. For a commercial development the maximum FSR under the Sydney LEP 2012 is 13.75 : 1 when considering both accommodation floor space and design excellence bonuses.



SYDNEY LOCAL ENVIRONMENTAL PLAN 2012 -  
LAND ZONING

Zone	
B1	Neighbourhood Centre
B2	Local Centre
B3	Commercial Core
B4	Mixed Use
B5	Business Development
B6	Enterprise Corridor
B7	Business Park
B8	Metropolitan Centre
IN1	General Industrial
IN2	Light Industrial
R1	General Residential
R2	Low Density Residential
RE1	Public Recreation
SP1	Special Activities
SP2	Infrastructure



SYDNEY LOCAL ENVIRONMENTAL PLAN 2012 -  
FSR

Maximum Floor Space Ratio (n:1)	
A	0.35
F	0.6
H	0.7
J	0.8
L	0.9
N	1
P	1.25
S1	1.5
S2	1.75
T	2
U1	2.5
U2	2.75
V1	3
V2	3.25
W1	3.5
W2	3.75
X	4
Y	4.5
Z	5
AA1	6
AA2	6.5
AB1	7
AB2	7.5
AC	8
AD	9
AE	10
AF	11
	Refer to clause 6.14
	Refer to clause 6.15A
	Refer to clause 6.4
	Refer to clause 6.47

Image source: City of Sydney LEP 2012 Maps



The Maximum Building Height is 235m (H) for the northern part of the site as per the Sydney LEP 2012. The maximum height of the southern part of the site is defined by the Martin Place Solar Access Plane.

No part of the site is listed in the Sydney 2012 LEP as a Heritage Item (1824). The tank stream running below the site is Heritage listed.




**SYDNEY LOCAL ENVIRONMENTAL PLAN 2012 -  
HOB**




**SYDNEY LOCAL ENVIRONMENTAL PLAN 2012 -  
HERITAGE**


Maximum Building Height (m)					
A	3	T4	29	AD	130
E	6	U1	30	AE	150
H	7.5	U2	33	AH	235
I	8	V	35		Area 1
J	9	W1	40		Area 2
L	11	W2	42		Area 3
M	12	X	45		Area 4
O	15	Y	50		Area 5
P	18	Z	55		Area 6
R	22	AA1	60		Area 7
S1	23	AA2	65		Area 8
S2	24	AA3	70		Area 9
T1	25	AB1	80		Area 10
T2	27	AB2	85		
T3	28	AC	110		

**Heritage**

 Item - General

 Conservation Area - General

**Cadastre**

 Cadastre 03/12/2015 © City of Sydney



# 4.2 The Central Sydney Planning Strategy

The site is identified as an opportunity site forming part of a future tower cluster within the Central Sydney Planning Strategy prepared by The City of Sydney.

The Central Sydney Planning Strategy (CSPS) unlocks economic opportunities and investment in jobs and supports public improvements that make Sydney an attractive place for business, workers, residents and visitors. The CSPS outlines 10 key moves which prioritize employment growth, increase capacity and ensure infrastructure keeps pace with growth, creating a more sustainable and vibrant public spaces. The CSPS is a 20 year growth strategy that revises previous planning controls and delivers on the City of Sydney’s Sustainable Sydney 2030.

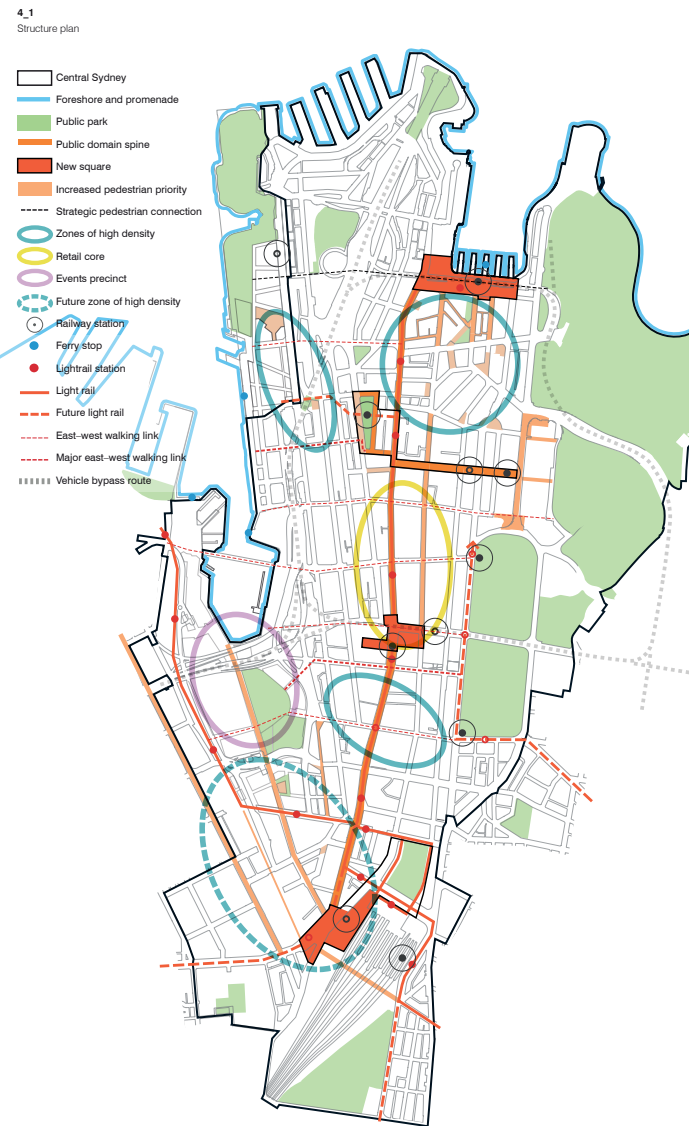


Source: The Central Sydney Planning Strategy Document prepared by The City of Sydney

## 4 Provide for employment growth in new tower clusters

Introducing a new planning pathway for heights and densities above established maximum limits will increase growth opportunities for employment floor space, promote the efficient use of land, and encourage innovative design. It will also unlock opportunities for the delivery of cultural, social and essential infrastructure and improved public spaces commensurate with growth.

These opportunities are focused in those areas of Central Sydney less constrained by sun access planes. As opportunities are taken up over the next 20 years, new tower clusters will form in Central Sydney to 2036 and beyond.



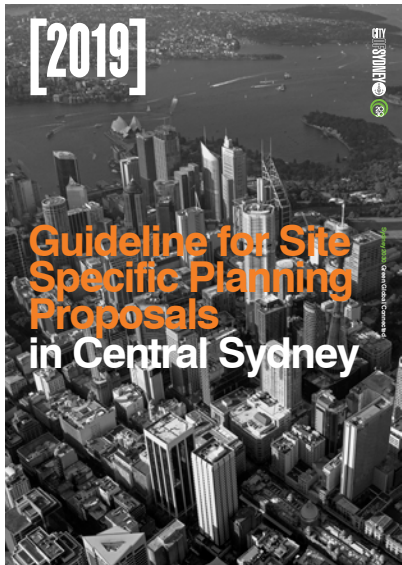
Images from The City of Sydney's Central Sydney Planning Strategy Document.



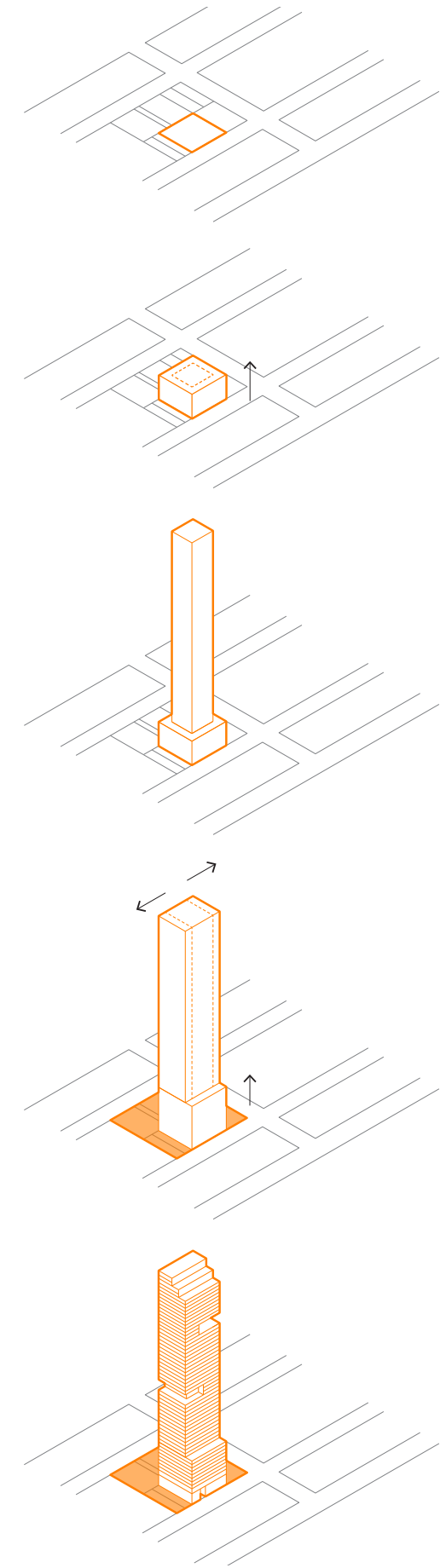
# 4.3 Planning Proposal Envelope Design Process

The City of Sydney DCP Schedule 11 provides "procedures for demonstrating compliance with variation provisions for setbacks, separations and tapering in Central Sydney."

This planning proposal has followed this procedure.



Source: Guidelines for Site Specific Planning Proposals in Central Sydney prepared by The City of Sydney



Attachment C: Draft Guideline for Site Specific Planning Proposals in Central Sydney / 2019

**Step 1**  
identify a site(s) complying with the Guidelines minimum Site Area

**Step 2**  
define a podium form in compliance with Sydney DCP

**Step 3**  
define a tower form in compliance with the Guideline in relation to maximum height and Sydney DCP in relation to Built Form Controls

**Step 4**  
test and define a non-compliant podium and tower form in line with Schedule 11 of Sydney DCP and a negotiated Block Agreement with neighbouring sites

**Step 5**  
determine a density based on the envelope achieved using floor space efficiencies consistent with the Guideline



# 4.4 Schedule 11 Base Envelope

As the subject site is greater than 1,000m<sup>2</sup>, the initial step in the procedure is to determine a base case massing for comparison.

## NOTES

The maximum permissible building height includes all other relevant controls including No Additional Overshadowing Controls, ect.

The resulting tower form must be tapered by scaling it horizontally in both horizontal directions (X and Y) by 95% between 120-240m

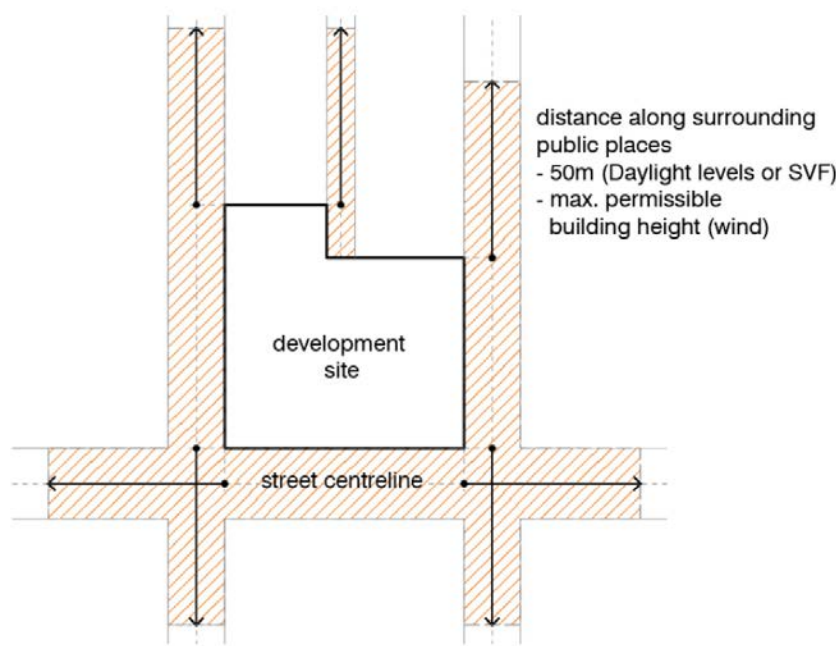
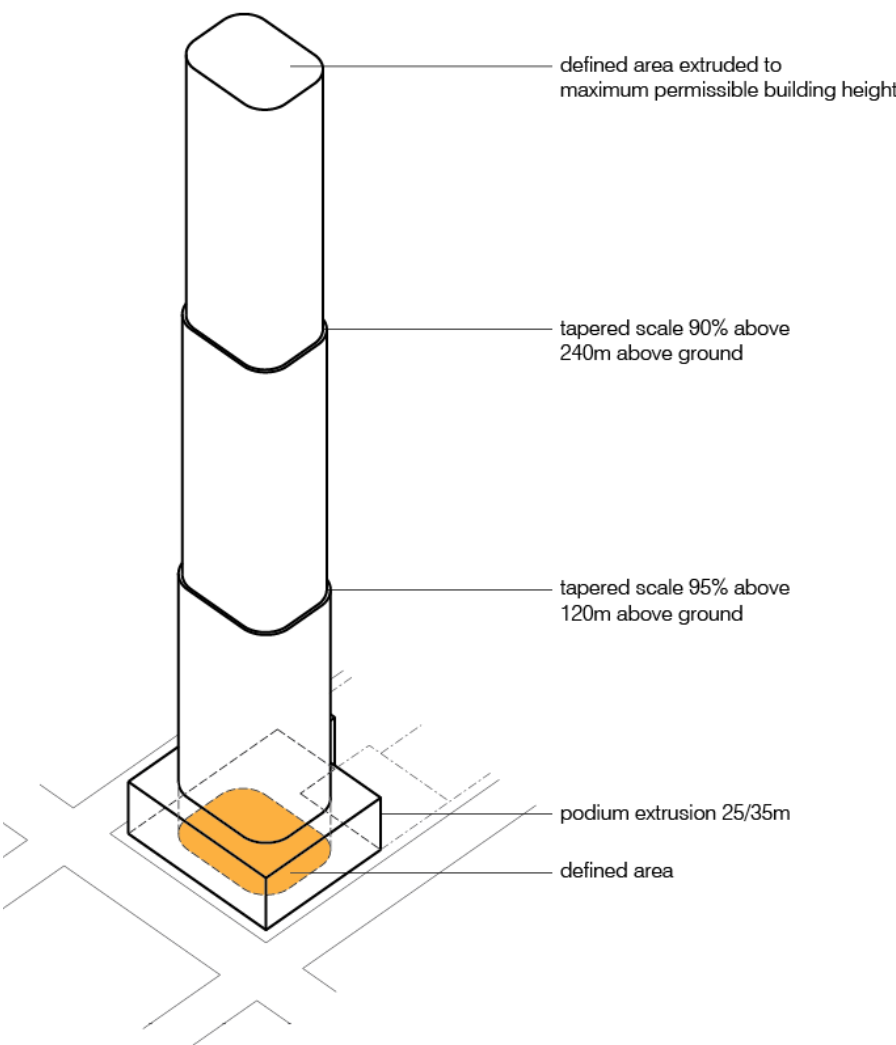


Figure 1.10: Measuring wind speeds and Average daylight level or Sky View Factor measuring minimum distance from the site boundaries.

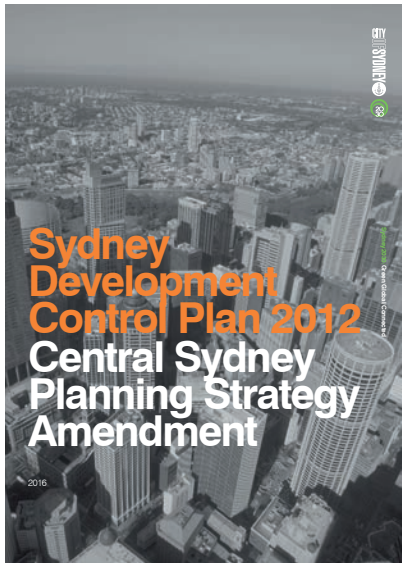
## SCHEDULE 11

### Procedure B: Equivalent or improved wind comfort and wind safety and daylight levels in adjacent Public Places

In order to demonstrate compliance with Section 5.1.1.1(3)(b) and Section 5.1.1.3(5) in regards to varying Minimum Street Setbacks and Side and Rear Setbacks, Building Form Separations and Tapering provisions respectively, the following procedure must be followed:

- (1) Procedure B can only be used to vary setbacks for sites larger than 1000m<sup>2</sup>.
- (2) Where (1) is satisfied, variation to relevant setbacks may be permitted to building massing that provides equivalent or improved wind comfort, wind safety and daylight levels in adjacent Public Places relative to a base case building massing with complying Height, Street Frontage Heights, Street Setbacks, Side and Rear Setbacks and Tapering.
- (3) The base case building massing with complying Street Frontage Heights, setbacks and tapering is established by modelling 3 dimensional podium and tower components as follows:
  - (a) The podium is modelled by extruding the subject site boundary vertically 35m above existing ground level (as it varies around the site perimeter) for buildings up to 120m high and 25m above ground level for taller buildings.
  - (b) The Tower Component is modelled by defining an area set out by the required street, side and rear setbacks, excluding areas over heritage items and Tower Component areas narrower than 6m wide. For Tower Components where at least one face is longer than 30m the resultant area is chamfered with a 10m radius at all external corners. The resultant shape is extruded to the maximum permissible building height as it varies around the site. The resulting tower form must be tapered by scaling it horizontally in both horizontal directions (X and Y) by 95% between 120-240m and by 90% above 240m above ground level.

Note: the maximum permissible building height excludes architectural roof features but includes all other relevant controls including LEP height controls, Sun Access Planes, No Additional Overshadowing Controls, Special Character Area height and setback controls, View Controls Airport restrictions etc.



Source: Sydney Development Control Plan 2012. CSPS Amendment prepared by The City of Sydney



## 4.5 Tower Height Martin Place Solar Access Plane

Under the City of Sydney Central Sydney Planning Strategy, the maximum heights of both the Schedule 11 Comparison Envelope and the Proposed Envelope are determined by relevant Solar Access Planes and No Additional Overshadowing Controls.

The following image shows the Martin Place Solar Access Plane as constructed using MGA located points and rays set out in the City of Sydney's LEP.

This determines the maximum height allowable of the Schedule 11 Comparison Envelope under the solar access plane.

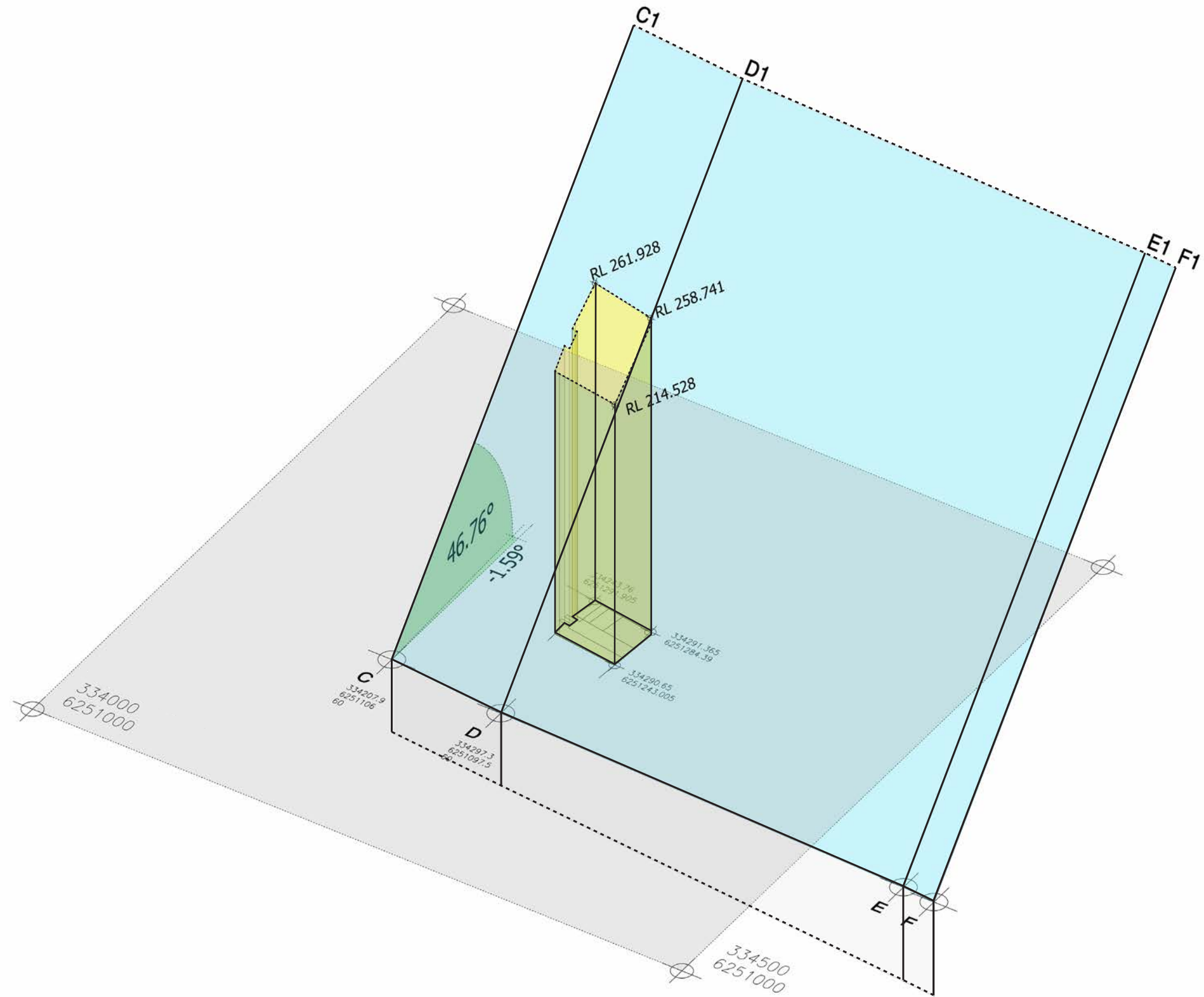


Image source: Bates Smart



# Martin Place Solar Access Plane

The adjacent image shows the plane sitting within it's context, which is an MGA located 3d model provided under license by professional digital surveyors AAM Group.

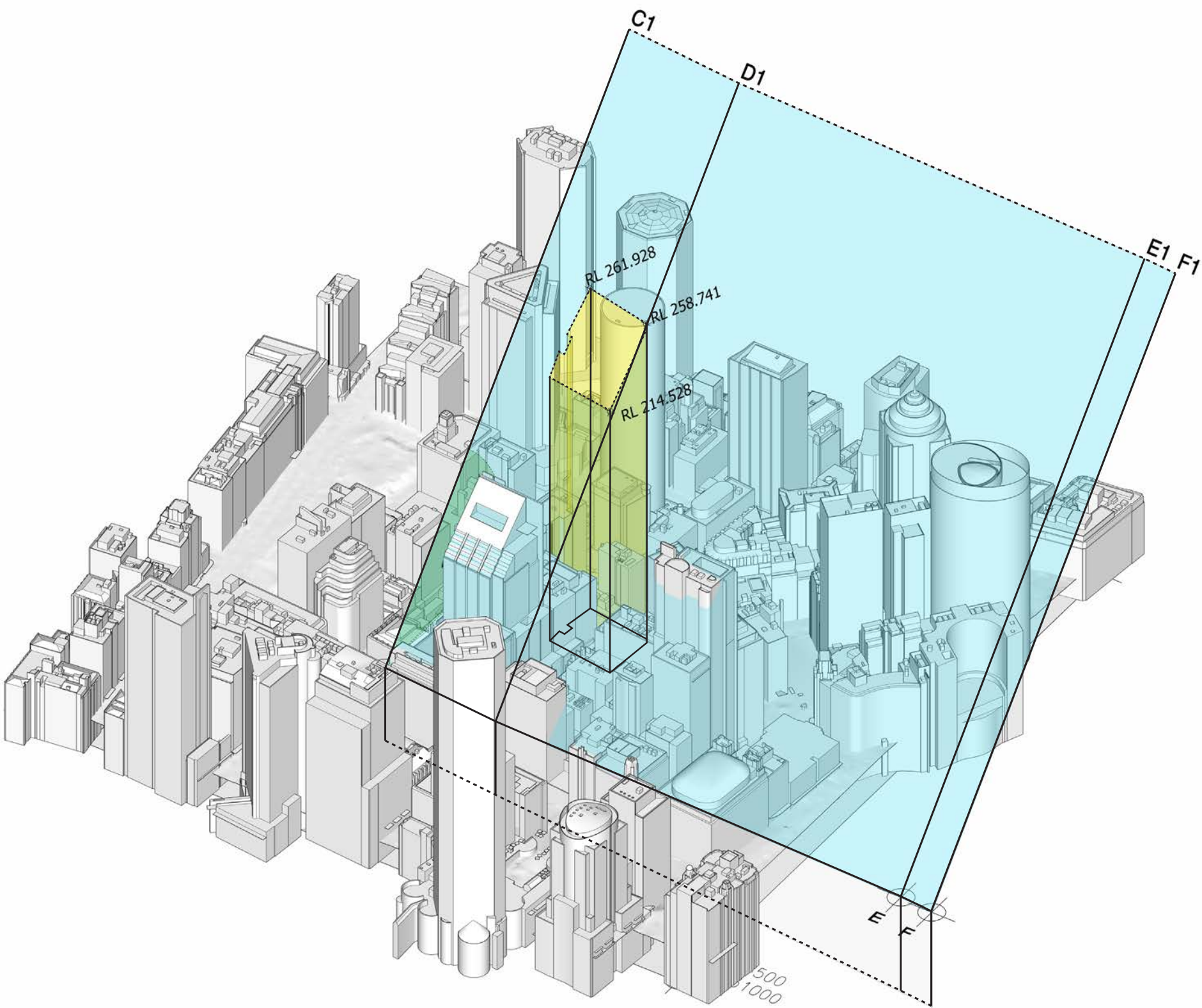


Image by Bates Smart, showing a 3d city model provided under license from AAM Group, and the Martin Place Solar Access Plan constructed as per the City of Sydney's suggested methodology.



## Overshadowing

In addition to the Martin Place Solar Access Plane, draft DCP objectives request no additional overshadowing of Martin Place between George Street and Pitt Street, as highlighted in the adjacent image.

Due to existing buildings to the south of the subject site, in particular Angel Place, there is no additional overshadowing to Martin Place when complying with the Martin Place Solar Access Plane.

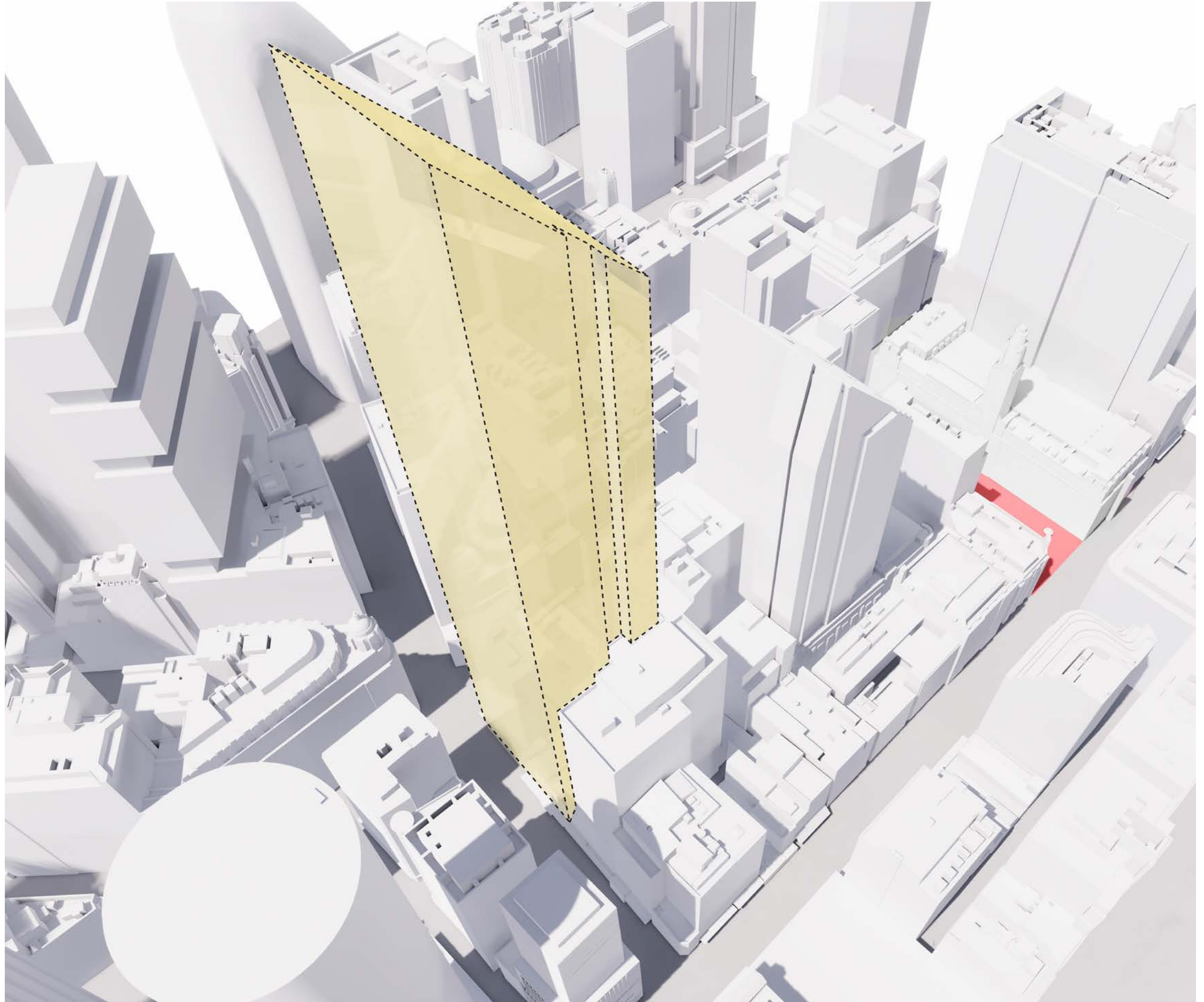


Image source: Bates Smart



The No Additional Overshadowing DCP Objective affects adjacent sites along George Street, which have more limited height potential as a result, but does not impact the subject site.

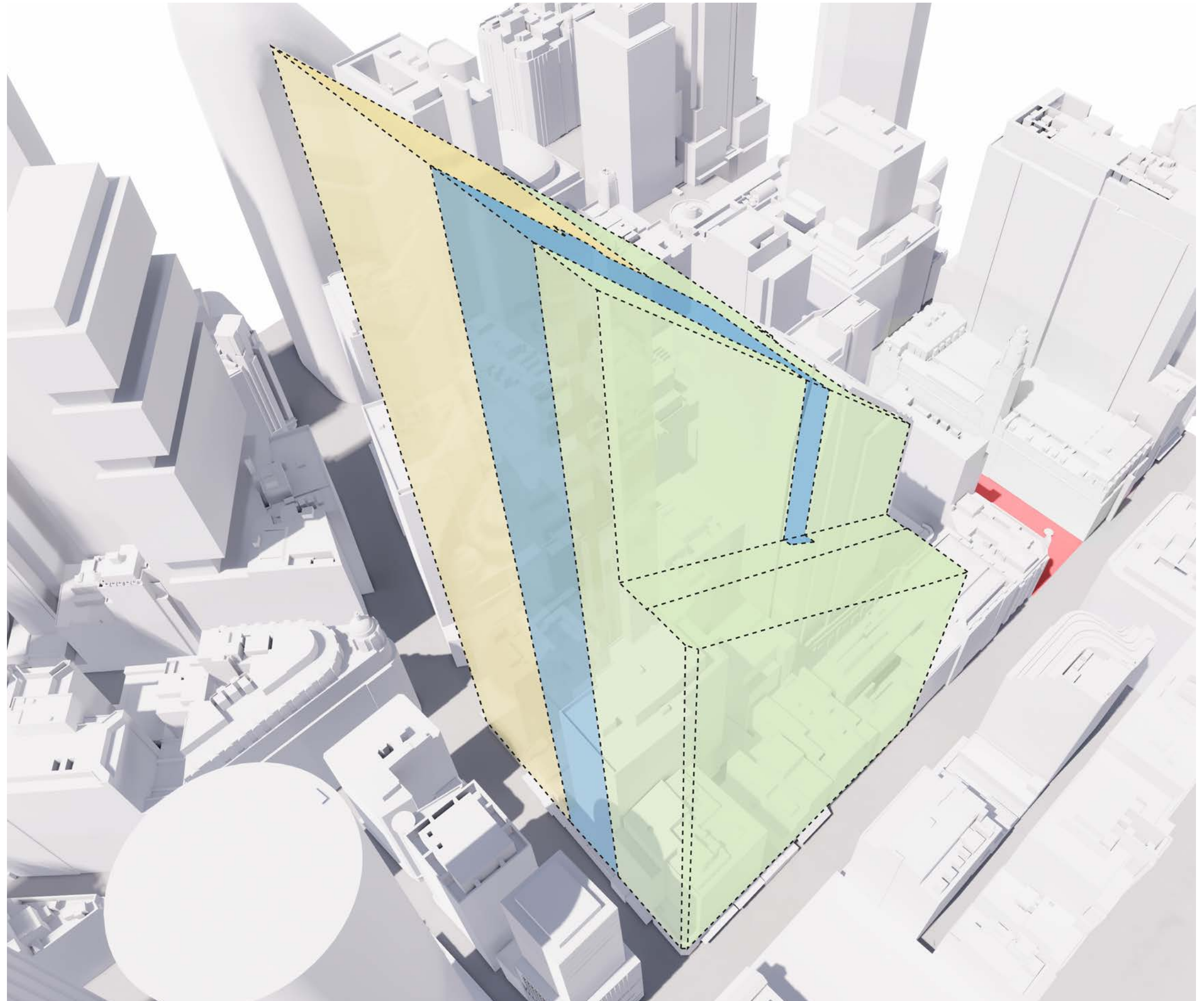


Image source: Bates Smart



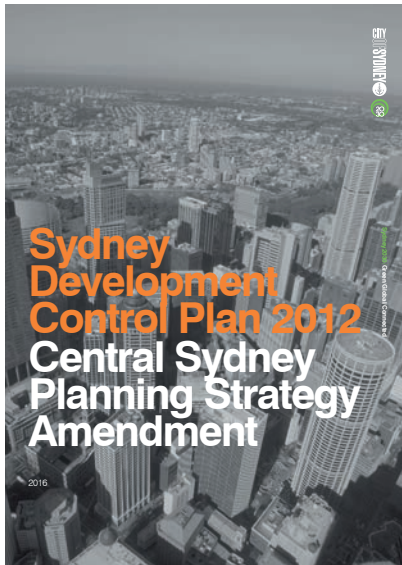
# 4.6

## Draft DCP Objectives

### Podium Height

NOTES

Adjacent heritage may impact the desired podium height. The existing context has a number of buildings with a 45m street wall height.



Source: Sydney Development Control Plan 2012. CSPS Amendment prepared by The City of Sydney

Buildings with street frontage heights between 20 and 45m reinforce the characteristic built form of Central Sydney. The maximum street frontage height that may be permitted anywhere in Central Sydney is 45m.

wind conditions; create an overwhelming sense of enclosure; and affect growing conditions for street trees.

Setting back higher elements of buildings preserves reasonable levels of daylight at street level and helps minimise wind problems to create a comfortable street environment.

A 10m setback doubles the amount of sky seen on an average 20m street in Central Sydney and significantly reduces wind impacts.

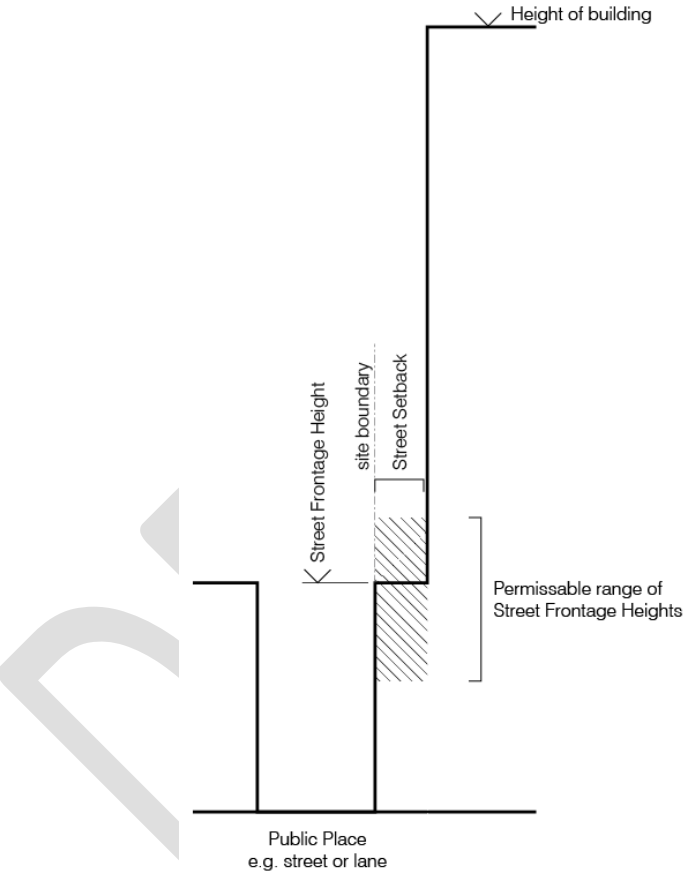


Figure 5.1: The street frontage height of development outside of special character areas should range between 20m and 45m

Objectives

- (a) Achieve comfortable street environments for pedestrians with high levels of daylight, appropriate scale, sense of enclosure and wind mitigation.
- (b) Encourage flexibility in building design while reinforcing the character of Central Sydney and ensuring built form is compatible with heritage items and the desired streetscape character.
- (c) To recognise the variety and patterns of street wall heights throughout Central Sydney.

- (d) To ensure that buildings address and define laneways consistent with their special character.
- (e) To provide setbacks above the Street Frontage Height that promote good separation between tall buildings, across streets, maintain views to the sky and create a sense of openness in the street.
- (f) To allow flexibility for setbacks above Street Frontage Height but only where better performance in relation to wind mitigation and daylight access to Public Places can be demonstrated.
- (g) To protect long, low angle views of open sky and landmark features.

Provisions

- (1) The Street Frontage Height and Street Setbacks of a building must be in accordance with Table 5.1 – Permissible range of Street Frontage Heights and Table 5.2 Minimum Street Setbacks, except for buildings in Special Character Areas that must be in accordance with the Minimum Street Frontage Heights for Special Character Areas in Table 5.3 and the Minimum Street Setbacks and Maximum Street Frontage Heights as shown in the Special Character Area maps at Figures 5.3 to 5.15 in Section 5.1.1.2.

Note: Section 5.1.1.1(2) Street Setback variation provisions do not apply to Heritage Items or in Special Character Areas, unless noted on Special Character Area maps.

Table 5.1: Permissible range of Street Frontage Heights

Permissible range of Street Frontage Heights			Proposed total height of building		
			Up to 55m	Greater than 55m up to 120m	Greater than 120m
Context	Non-heritage items outside Special Character Areas	Frontage adjacent to a Public Place with a width greater than 8m wide	20-35m* Or 20-45 for street block corner sites less than 1000sqm	20-35m*	20-25m*
		Frontage adjacent to a Public Place with a width up to 8m wide (eg lanes)	20-45m	20-45m	20-25m*
	Heritage items outside Special Character Areas		Existing height	Existing height	Existing height
	* up to 45m subject to Section 5.1.1.1(2)				

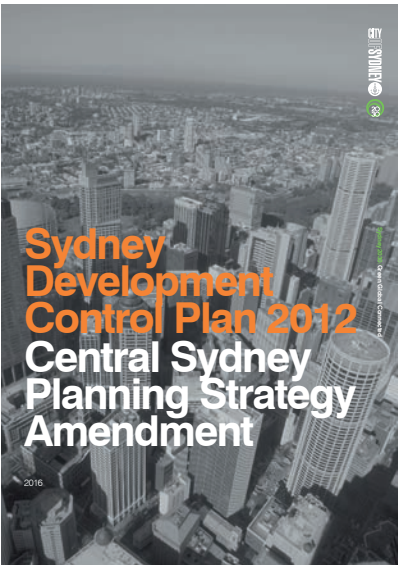
- (2) Notwithstanding Section 5.1.1.1(1) and Table 5.1, buildings that contain more than 40% residential accommodation including serviced apartment floor space, may have a Street Frontage Height of up to 45m where all floors between the height shown in the table



# Street Setbacks

## NOTES

Tall buildings should appear in the round.  
Side and rear setbacks must be in accordance with Table 5.4



Source: Sydney Development Control Plan 2012. CSPS Amendment prepared by The City of Sydney

Table 5.2: Minimum Street Setbacks

Minimum Street Setbacks			Proposed total height of building		
			Up to 55m	Greater than 55m up to 120m	Greater than 120m
Context	Non-heritage items outside Special Character Areas	Frontage adjacent to Public Places with a width greater than 8m wide	8m or 6m where adjoining sites Street Setbacks are less than 6m	8m*	8m*
		Frontage adjacent to Public Places with a width up to 8m wide (eg lanes)	2m	8m*	8m*
	Heritage items outside Special Character Areas		10m to Public Places greater than 8m wide (streets). 2-10m on Public Places up to 8m wide (lanes) determined by heritage values and context.		
* may be varied subject to 5.1.1.1(2)					

- (3) Where noted in Table 5.2 Minimum Street Setbacks and on the Special Character Area maps, variation to Street Setbacks may be permitted to building massing that provides:
- (a) encroachment(s) 2m forward of the minimum Street Setback within the middle third of the frontage to a Public Place and provision of compensating recess(es) of equal to or greater area up to 4m behind the minimum Street Setback; or
  - (b) equivalent or improved wind comfort, wind safety and daylight levels in adjacent Public Places relative to a base case building massing with complying Street Frontage Heights and Street Setbacks (i.e. variation to massing is governed by achieving equal or better performance).
- Procedures for demonstrating compliance with 5.1.1.1(3)(a) and (b) are set out in Schedule 11.
- (4) Notwithstanding Section 5.1.1, greater Street Setbacks may be required through the application of 5.1.1.4 Built form massing, tapering and maximum dimensions, 5.1.4 Development outlook and amenity and/or SEPP 65 (State Environmental Planning Policy No 65 - Design Quality of Residential Apartment Development) and the Apartment Design Guide.

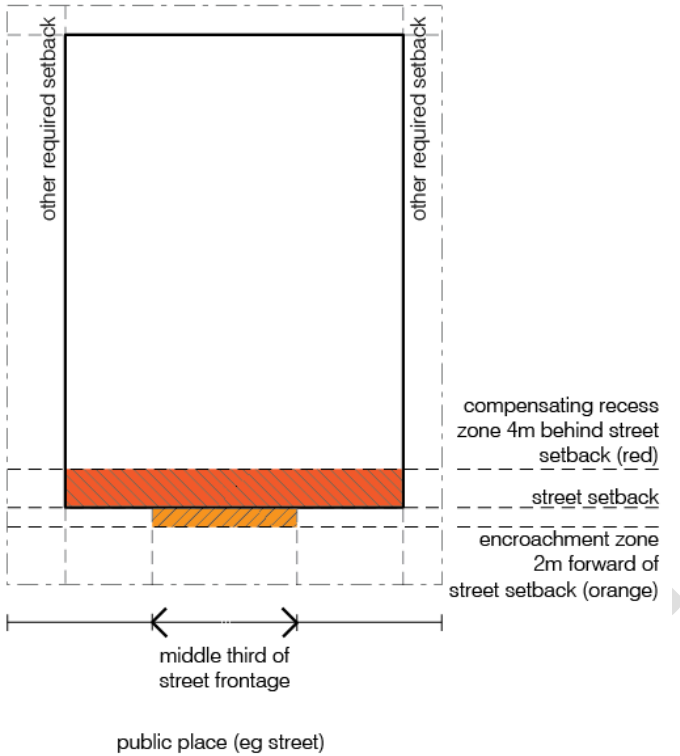


Figure 5.2: Setbacks provide building design flexibility – Minimum Street Setbacks may be varied in accordance with Section 5.1.1.1(3) and the procedures for demonstrating compliance at Schedule 11.



# Side & Rear Setbacks

Table 5.4: Minimum Side and Rear Setbacks and Building Form Separations

Minimum Side and Rear Setbacks and Building Form Separations	Proposed total height of building			
	Up to 55m	Greater than 55m up to 120m	Greater than 120m up to 240m	Greater than 240m
Side and Rear Setback above Street Frontage Height	0m	4m	3.33% of the proposed total height of building	8m
Building Form Separations on the same site	0m	8m	6.66% of the proposed total height of building	16m

**Note:** For separation on the same site use the lower building form height to determine the required separation.

(5) Variation to Side and Rear Setbacks and Building Form Separations may be permitted to building massing that provides equivalent or improved wind comfort, wind safety and daylight levels in adjacent Public Places relative to a base case building massing with complying Side and Rear Setbacks (i.e. variation to massing is governed by achieving equal or better performance) .

Procedures for demonstrating compliance with 5.1.1.3(4) are set out in Schedule 11.

(6) Notwithstanding 5.1.1.3 Side and Rear Setbacks and Separations, greater setbacks and separation may be required through the application of 5.1.1.4 Built form massing, tapering and maximum dimensions, 5.1.2 Development outlook and amenity and/or SEPP 65 (State Environmental Planning Policy No 65 - Design Quality of Residential Apartment Development) and the Apartment Design Guide.

5.1.1.4 Built form massing, tapering and maximum dimensions

Value Statement

The impact of tall buildings on the amenity of the public domain increases as building height increases. It is appropriate to manage building dimensions and massing to ensure that buildings are not overwhelming in scale and impact on the amenity of the public domain.

Objectives

- (a) Ensure that tall buildings are slender and do not appear as walls or as overly massive from any direction.
- (b) Ensure residential accommodation, serviced apartment and self-contained hotel developments present as slender buildings.
- (c) Ensure that buildings are slimmest at their peaks so that in the overall city form buildings become less bulky at their upper limits.

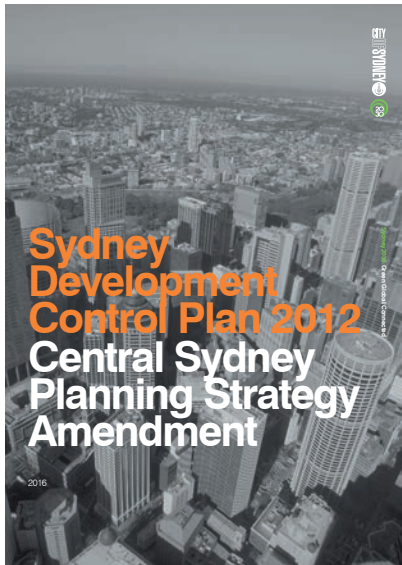
Provisions

- (1) Above Street Frontage Height the maximum horizontal dimension of a building including all external elements (for example architectural elements like horizontal or vertical fins) measured in any direction (including diagonally across the site – see Figure 5.18) is not to exceed:
  - (a) 50m for residential accommodation and serviced apartment developments; and
  - (b) 100m for all other developments.
- (2) For residential accommodation, serviced apartments or self-contained hotels with a height above 55m, the size of any floor plate above the Street Frontage Height must not exceed 1,000 square metres floor space area (as per the Gross Floor Area definition).
- (3) Above the Street Frontage Height the total Building Envelope Area may occupy the following proportion of the site area less any areas of heritage items and required DCP setbacks:
  - (a) 100% up to 120m above ground;
  - (b) 90% above 120m up to 240m above ground; and
  - (c) 80% above 240m above ground.
- (4) For the purposes of calculating Building Envelope Area:

*Building Envelope Area* is the area including all internal and external built elements and enclosed voids between that floor level and the next floor level measured in plan.

**Note:** Where a heritage item or part thereof is within a required setback that area is only subtracted once.

**Note:** Where compliance with Sections 5.1.1.1(2) and 5.1.1.3(5) has been demonstrated in relation to a varied setback, and the resultant Building Envelope Area fails to comply with Section 5.1.1.4(3), the variation to Section 5.1.1.4(3) may be permitted.



Source: Sydney Development Control Plan 2012. CSPS Amendment prepared by The City of Sydney



**5.0**

## **Envelope Design**

15-23 Hunter Street and  
105-107 Pitt Street Sydney





# 5.1 Existing Site

**BUILDING HEIGHT (MAX.):**

- 15-17 Hunter Street
- 19-21 Hunter Street
- 23-25 Hunter Street
- 105 Pitt Street
- 107 Pitt Street

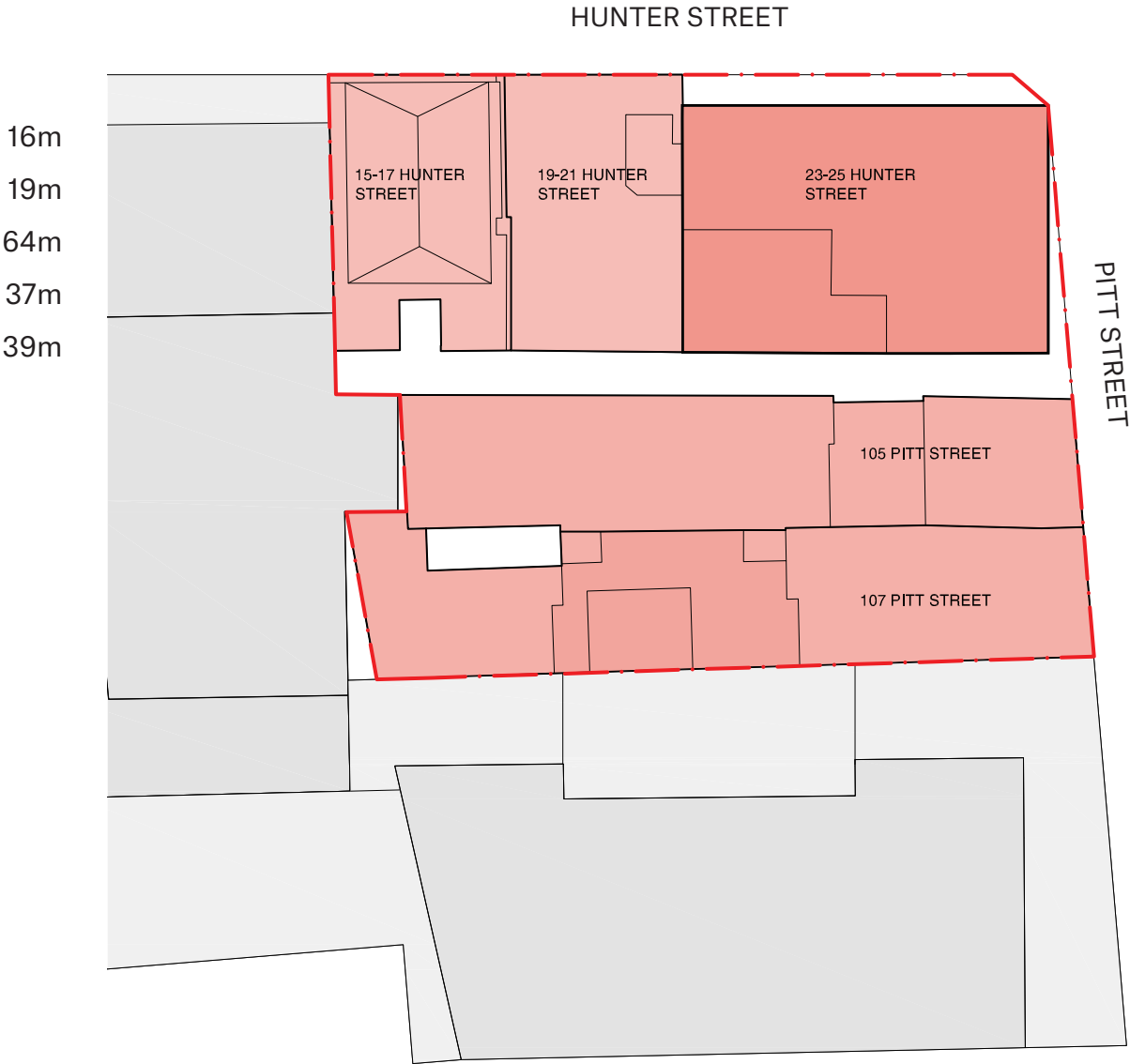
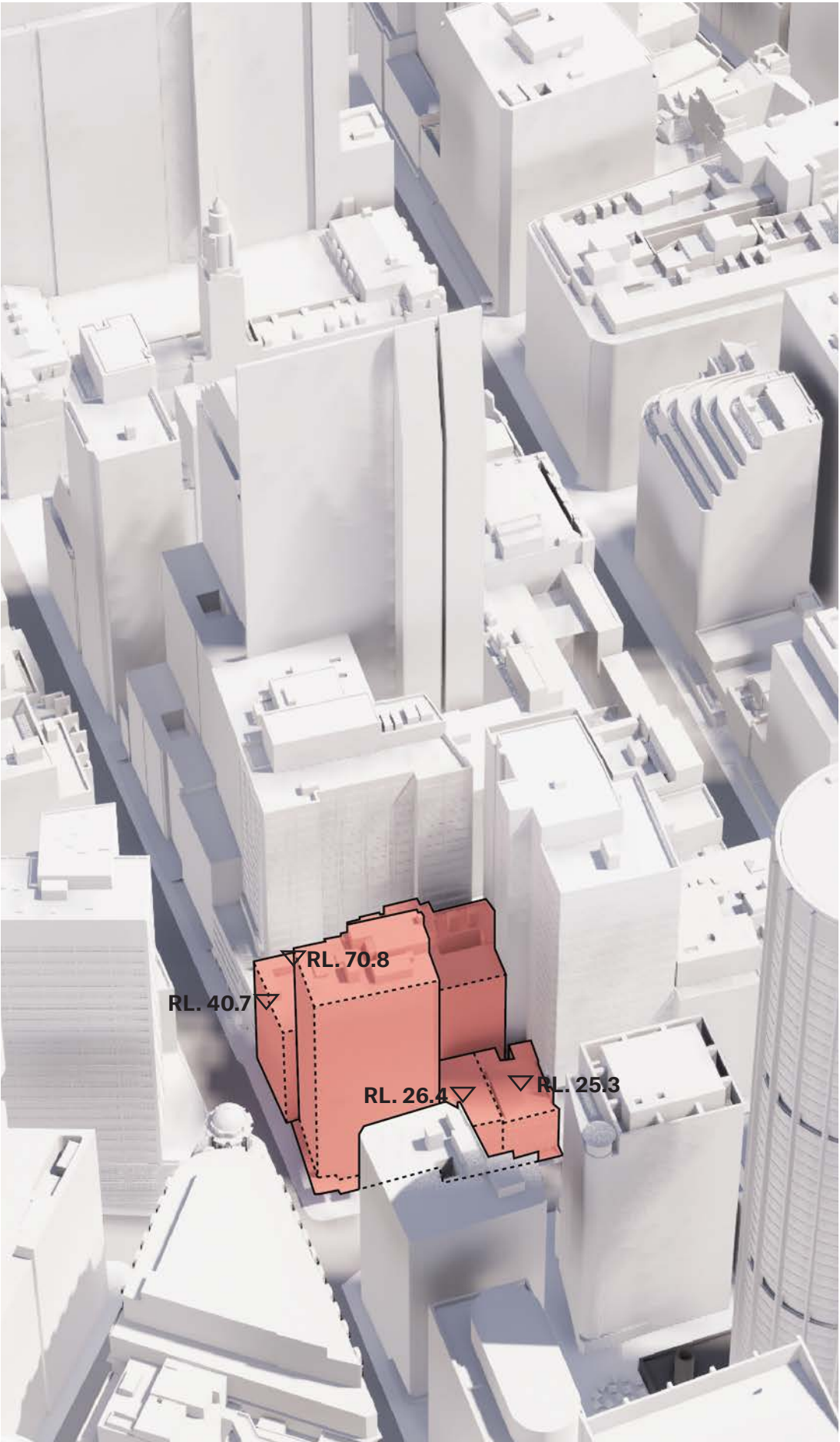


Image source: Bates Smart

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# 5.2 Sydney 2012 LEP/DCP Envelope

PODIUM HEIGHT:	45m
EFFECTIVE TOWER HEIGHT:	77m*
*Limited by FSR	
TOWER SETBACKS:	
Pitt Street	8m
Hunter Street	6m
Western Boundary	4m
Southern Boundary	4m
FSR:	13.75:1

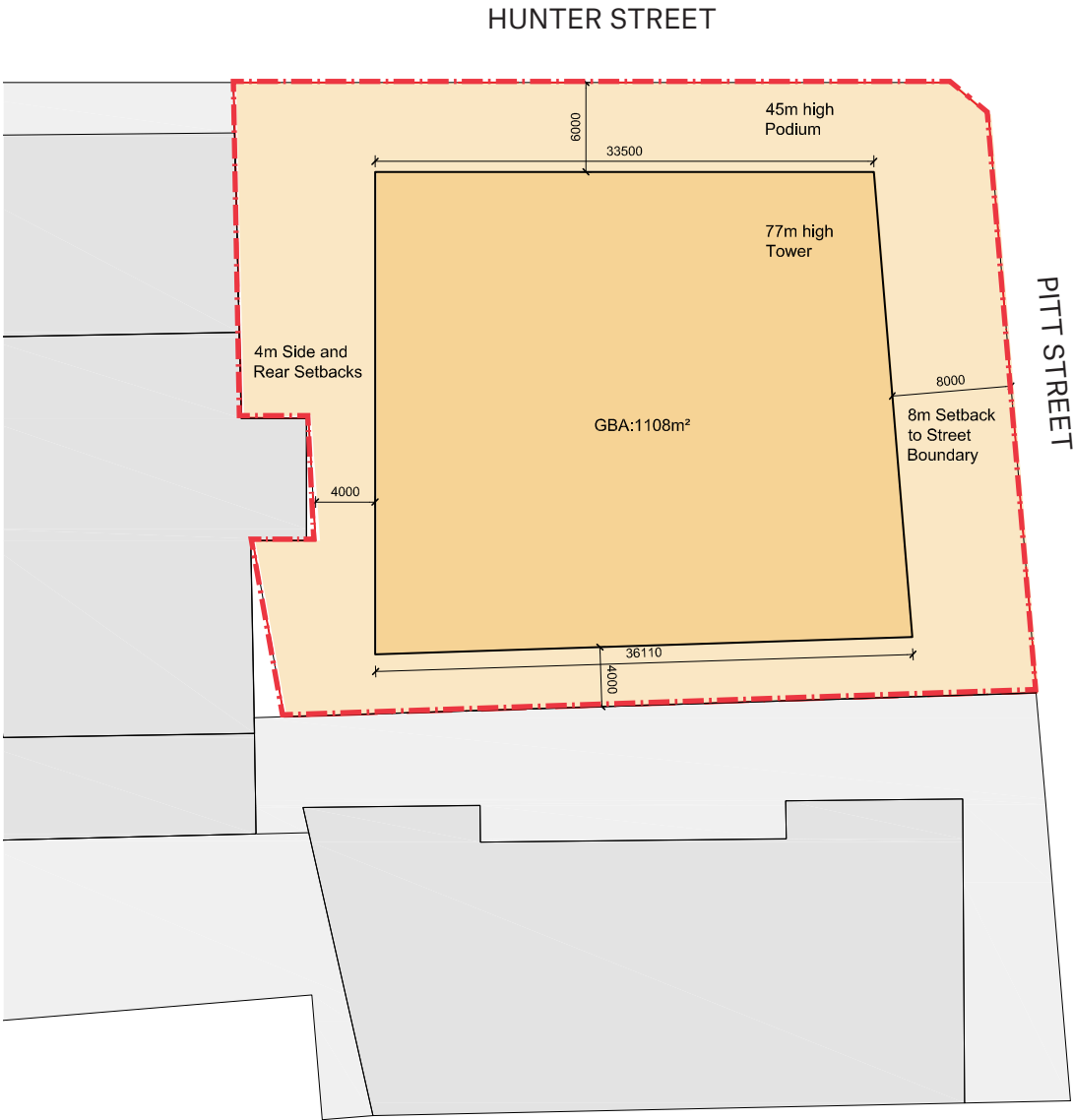
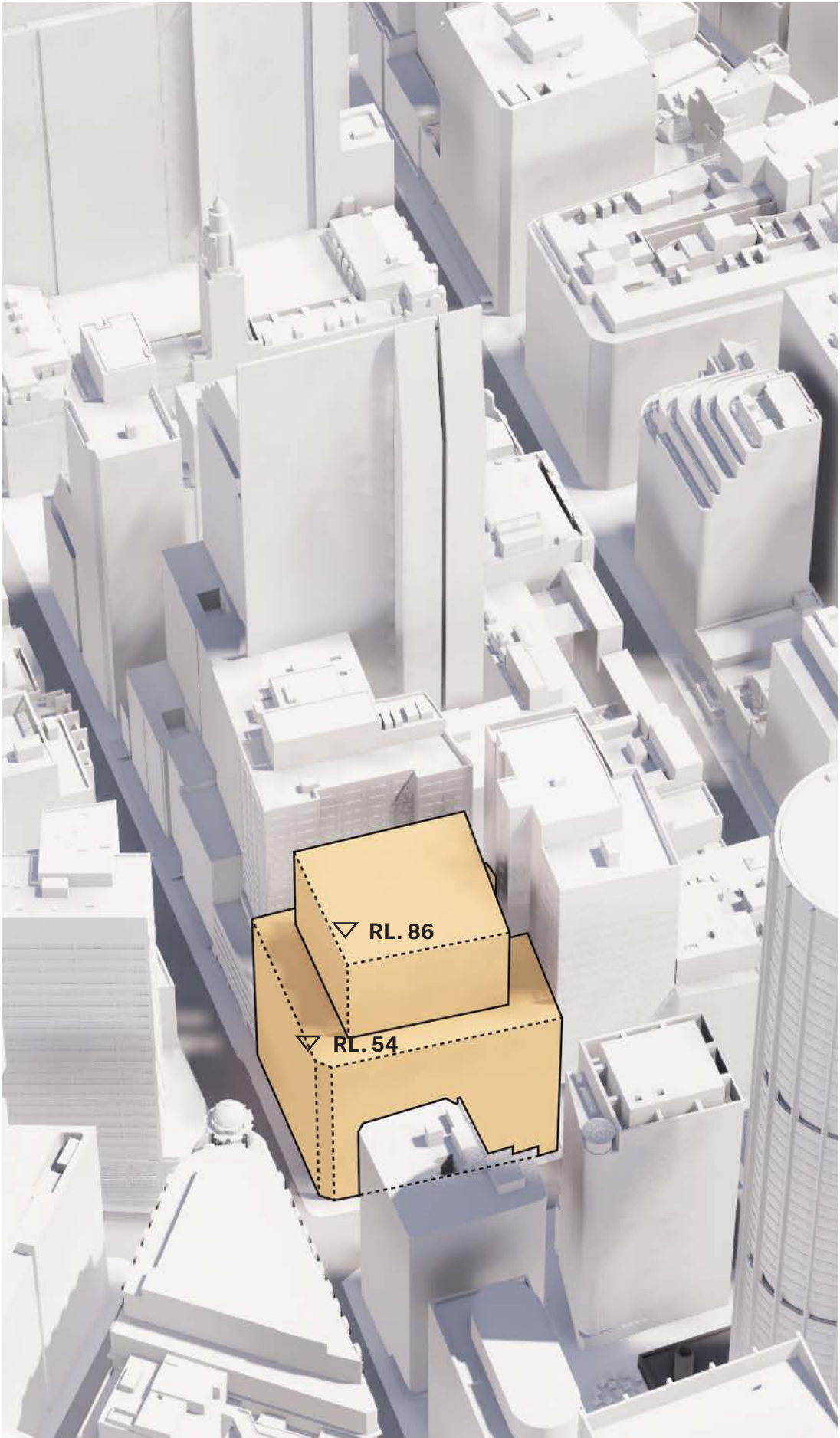
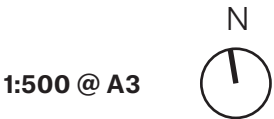


Image source: Bates Smart





# 5.3 Central Sydney Planning Strategy Schedule 11 Envelope

PODIUM HEIGHT: 25m

TOWER HEIGHT: 240m

TOWER SETBACKS:

Pitt Street 8m

Hunter Street 8m

Western Boundary 8m

Southern Boundary 7.15m

This base envelope for comparison complies with Schedule 11 requirements. Refer to Sky View Factor Report for further analysis.

SKY VIEW FACTOR: 14.604%

\*at 150m extents

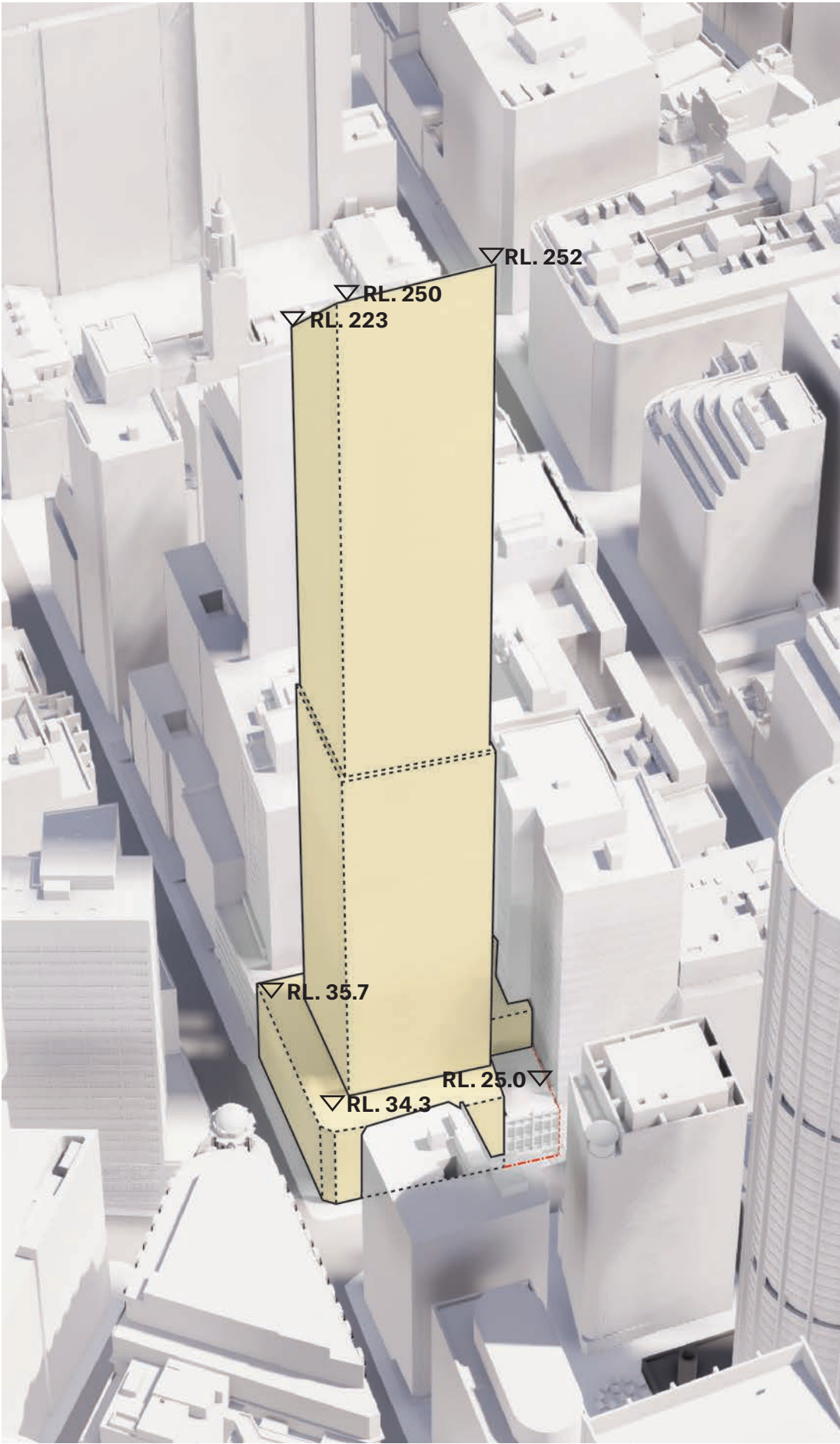
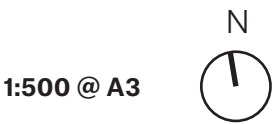
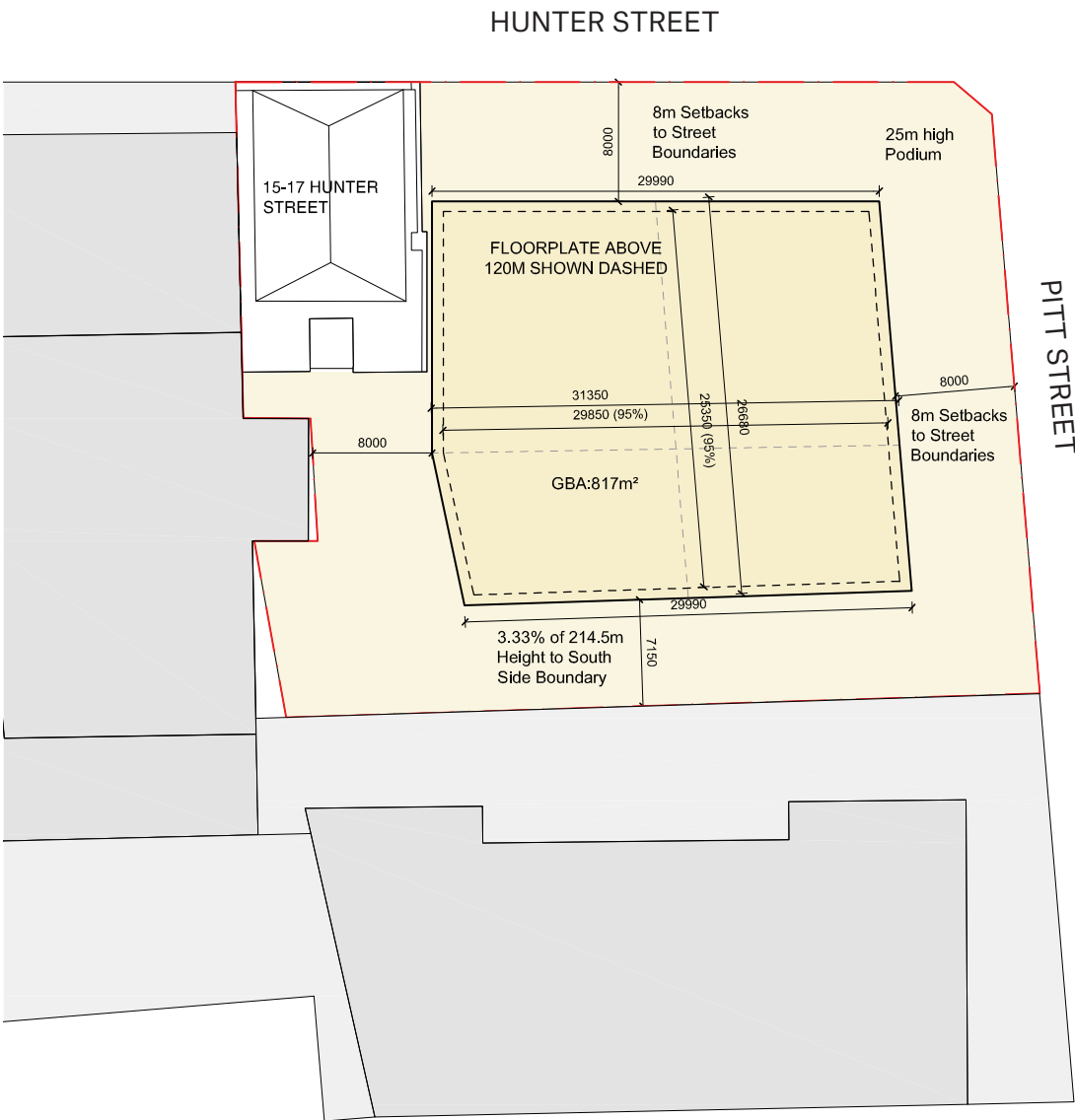


Image source: Bates Smart



HIGH RISE GBA:	739m <sup>2</sup>
FACADE ZONE:	750mm
CORE SIZE:	118m <sup>2</sup> (16% GBA)
NLA:	540m <sup>2</sup>

Although this base envelope for comparison complies with 2020 Schedule 11 requirements, this envelope would be a sub optimal outcome for the site.

- The 7.15m and 8m setbacks result in a floorplate size which is too small for a viable commercial scheme.
- The setbacks do not relate to the adjacent buildings at 9 Hunter Street and 109 Pitt Street.
- The site area surrounding the protruding 9 Hunter Street core would not benefit from separation and therefore is wasted space.

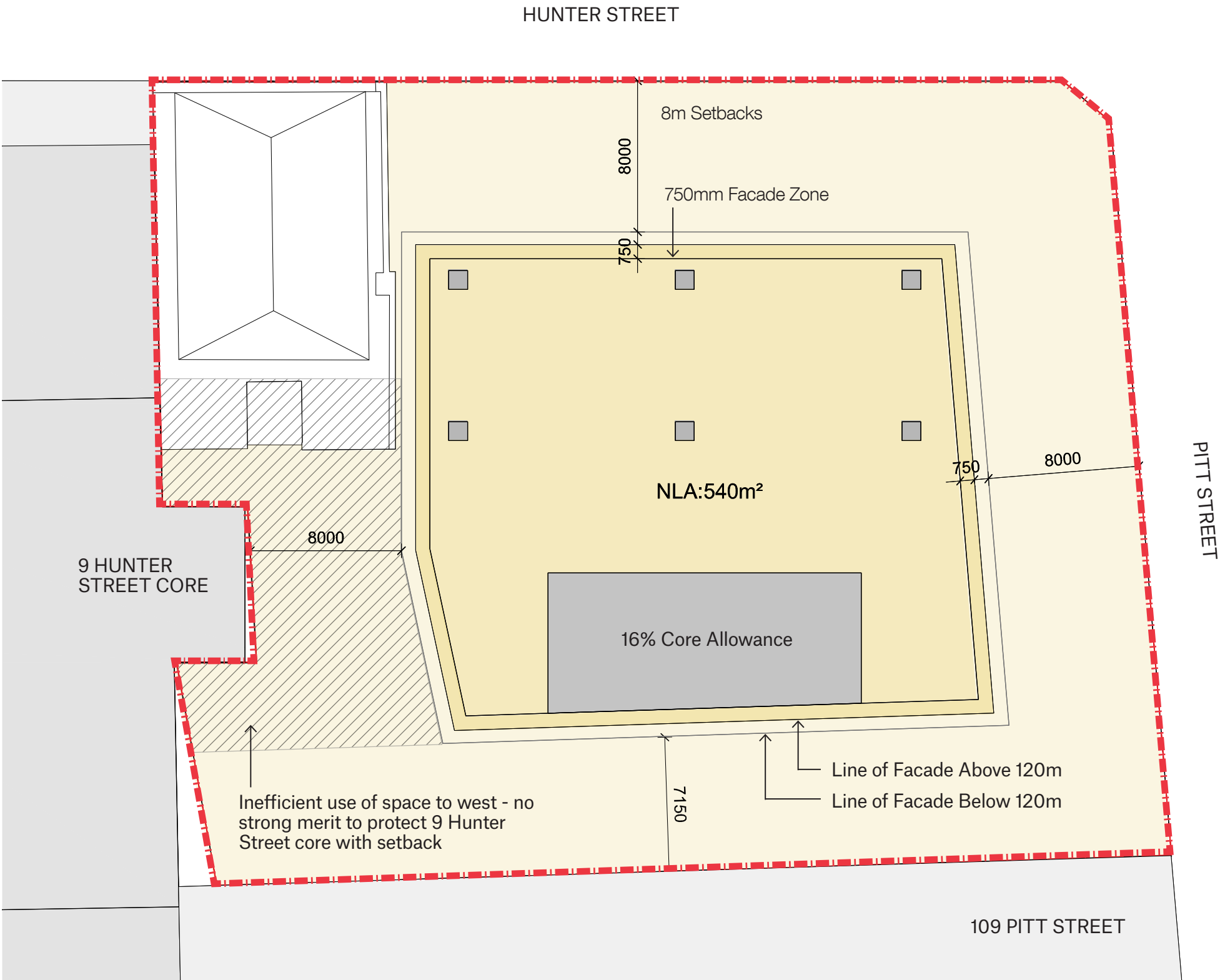


Image source: Bates Smart



## 5.4 Proposed Envelope

<b>PODIUM HEIGHT:</b>	16m - 25m
<b>TOWER HEIGHT:</b>	213.5m
<b>TOWER SETBACKS:</b>	
Pitt Street	7.5m average
Hunter Street	4m
Western Boundary	5.5m max.
Southern Boundary	4m

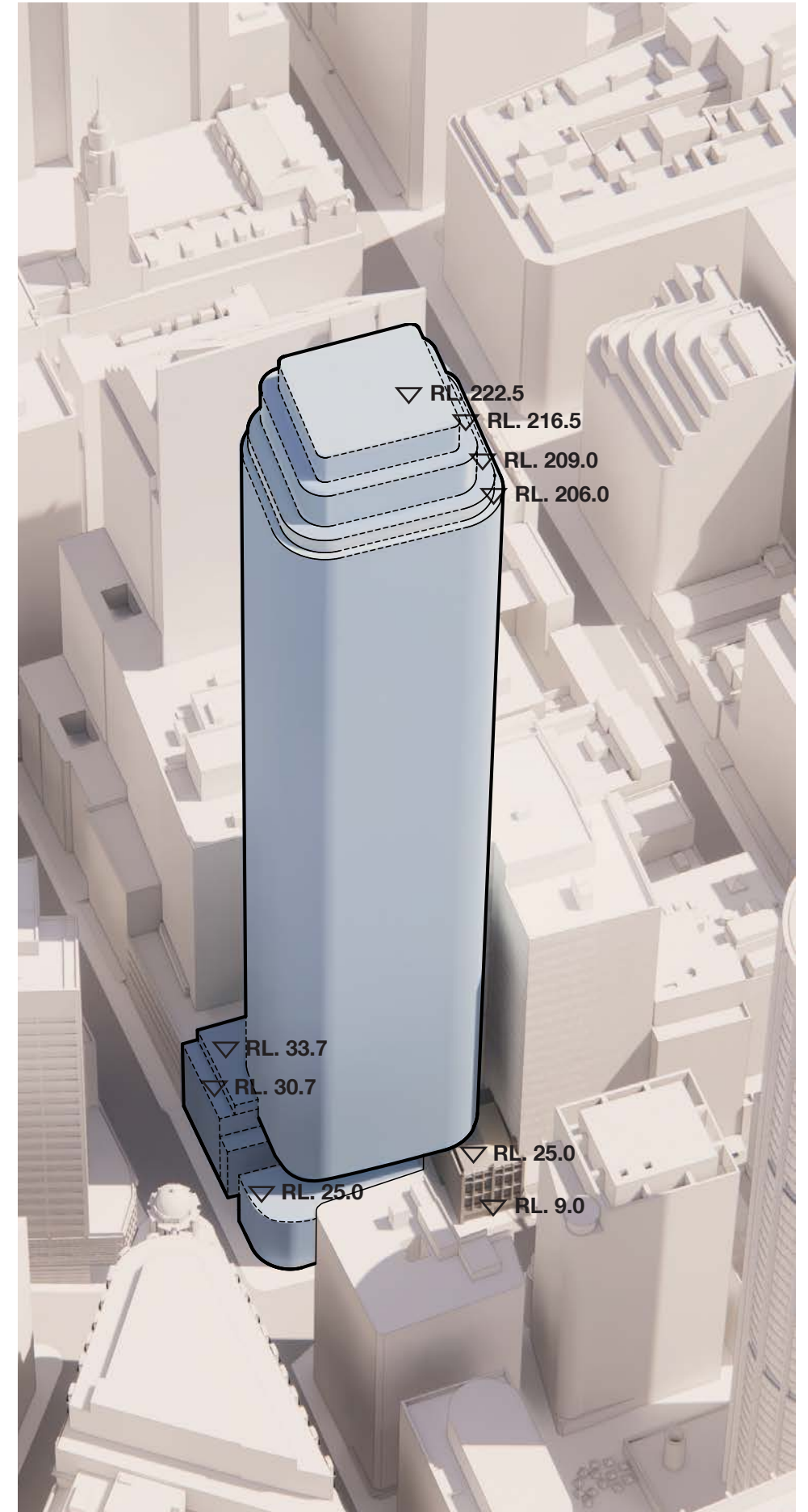
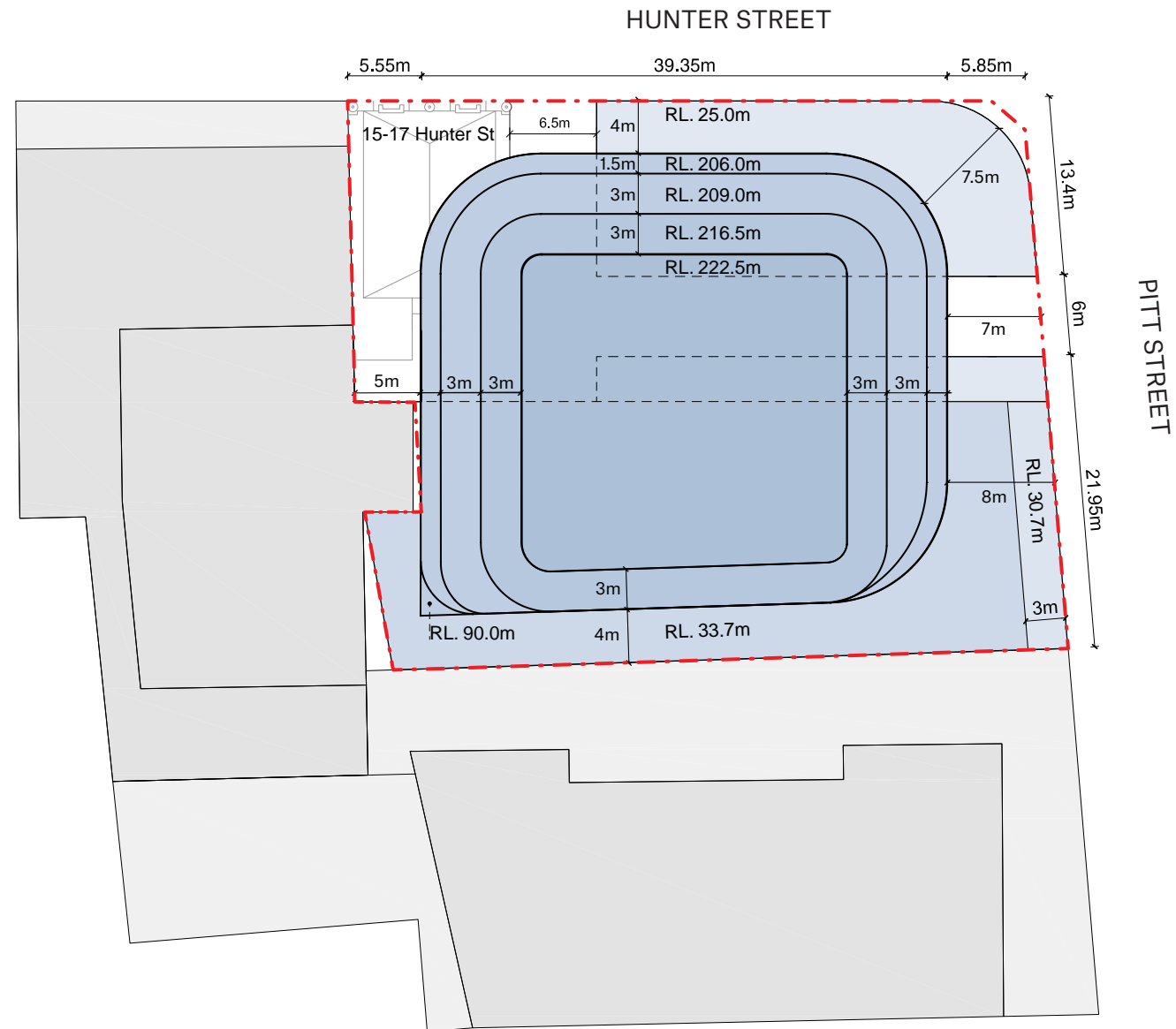
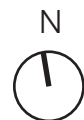


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# Proposed Envelope

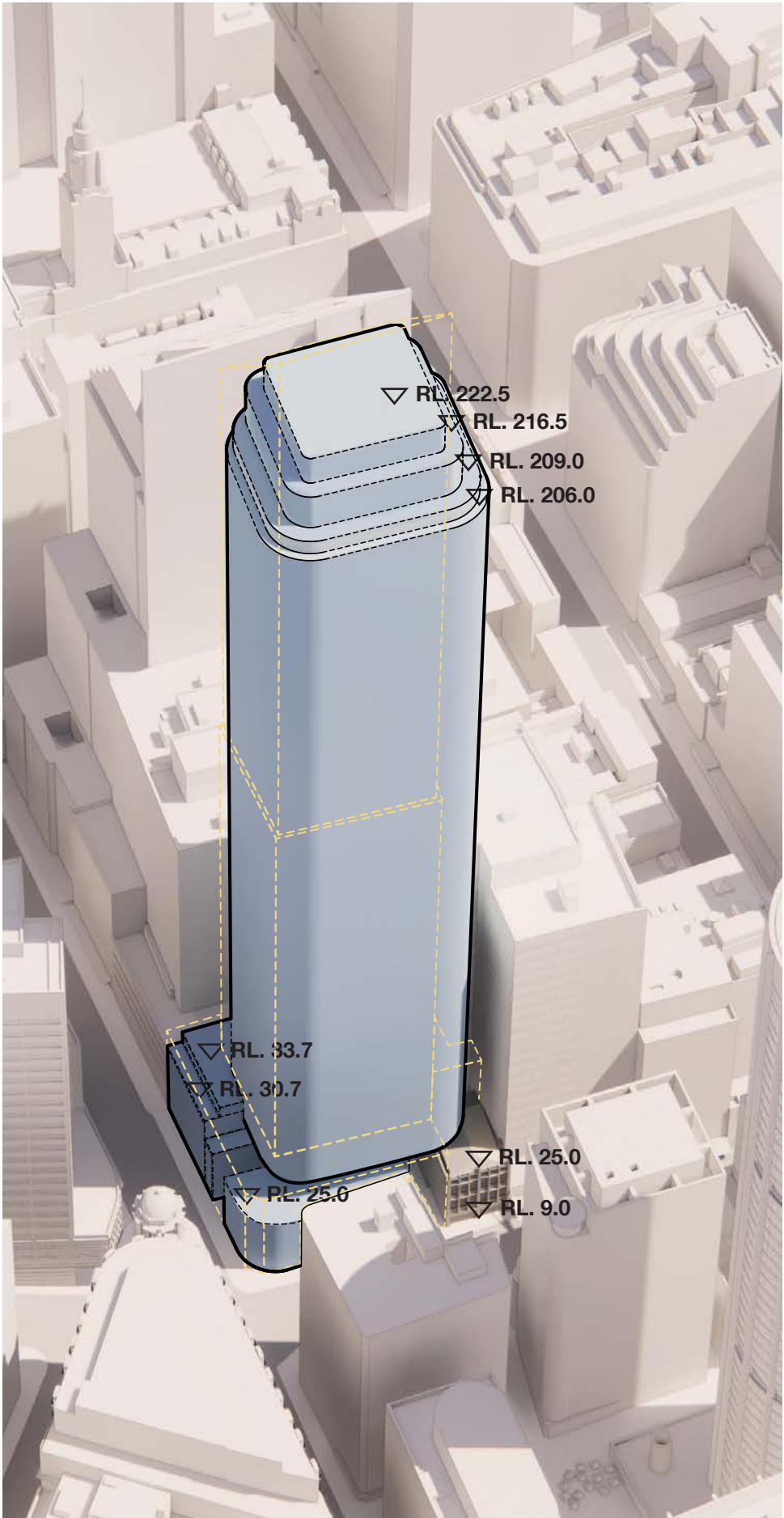
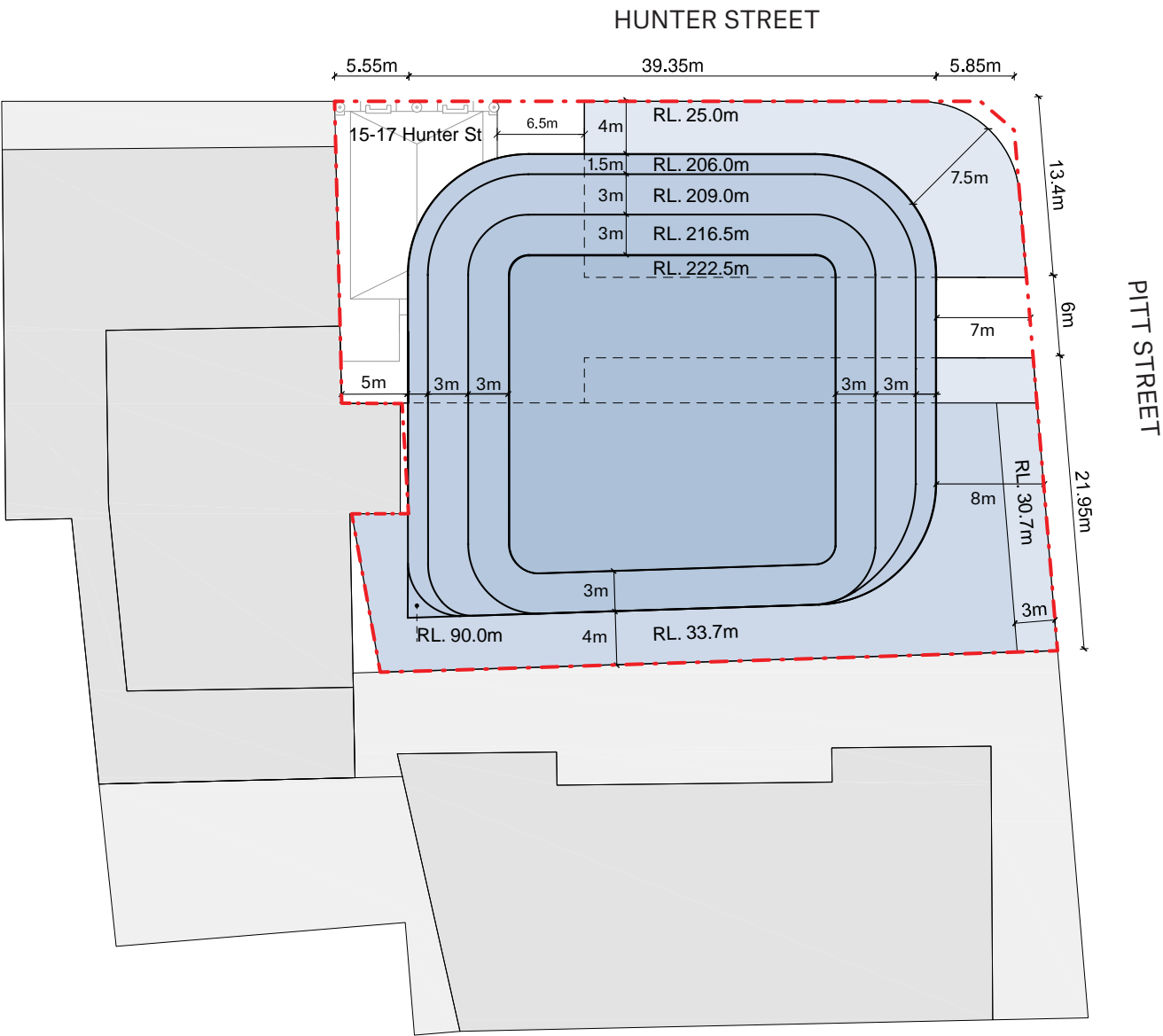
--- Schedule 11 envelope  
dashed shown in yellow

Podium Height: 16m - 25m  
Tower Height: 213.5m  
Max RL: 222.5m

TOWER SETBACKS:  
Pitt Street 7.5m average  
Hunter Street 4m  
Western Boundary 5.5m max.  
Southern Boundary 4m

SKY VIEW FACTOR: **14.605%**  
at **150m** extents

This is an improvement of 0.001% compared to the Schedule 11 Base Case Envelope with the existing 15-17 Hunter Street building considered as heritage listed.





The proposed envelope SVF is “better than” the Schedule 11 Comparison Envelope's SVF.

**SKY VIEW FACTOR: 14.605%**

$\Delta$  = +0.001% better than the Schedule 11 Comparison Envelope at 150m extents

For more detail please see the Sky View Factor Report.

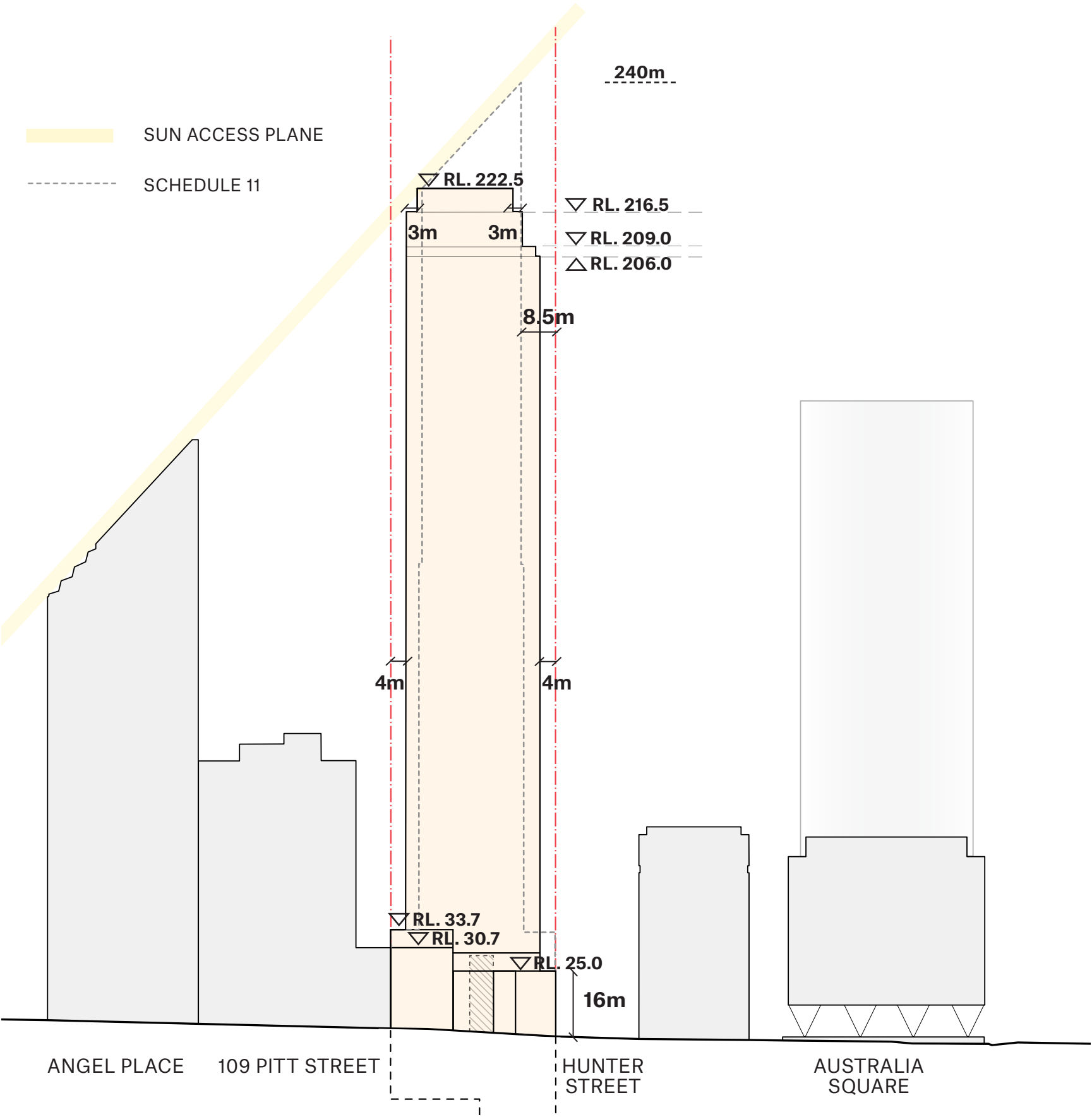
The proposed envelope's wind effects are also deemed to be “better than” the Schedule 11 Comparison Envelope, as indicated in the Wind Report by Mel Consulting.

Image source: Bates Smart





The proposed envelope is shorter than the Schedule 11 Base Case Envelope. This allows for improved floorplates whilst achieving an equivalent Sky View Factor.



PITT STREET ELEVATION

Image source: Bates Smart



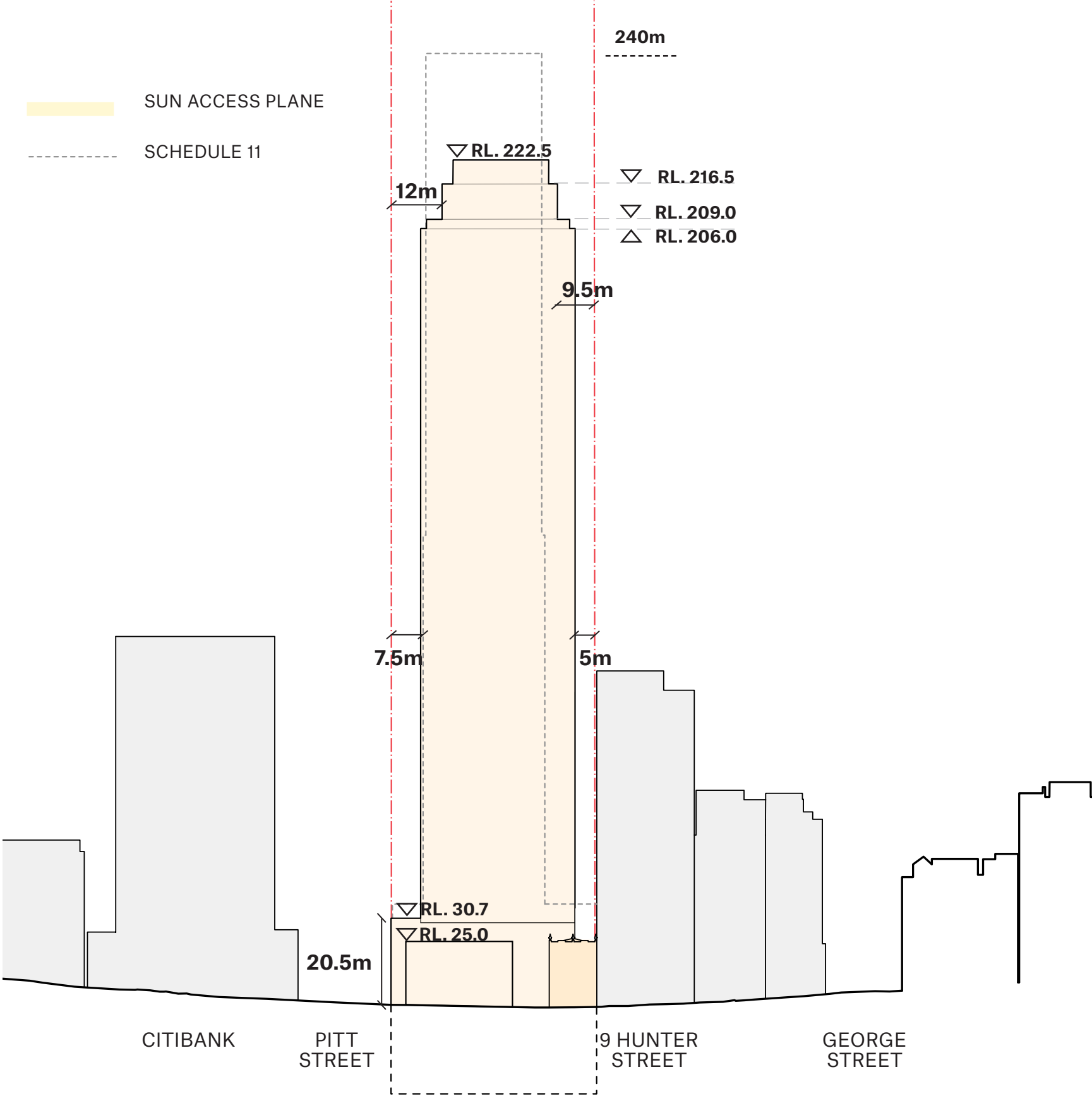


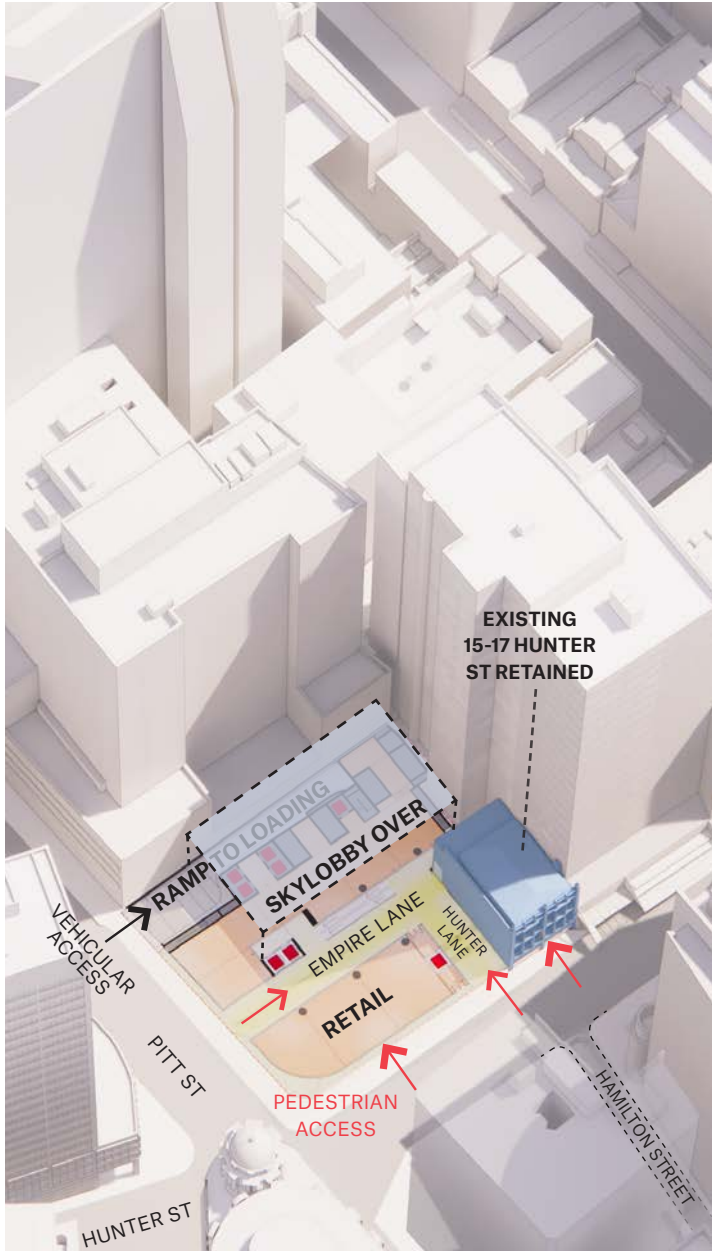
Image source: Bates Smart

HUNTER STREET ELEVATION



# 5.5 Envelope Principles

TO BE UPDATED

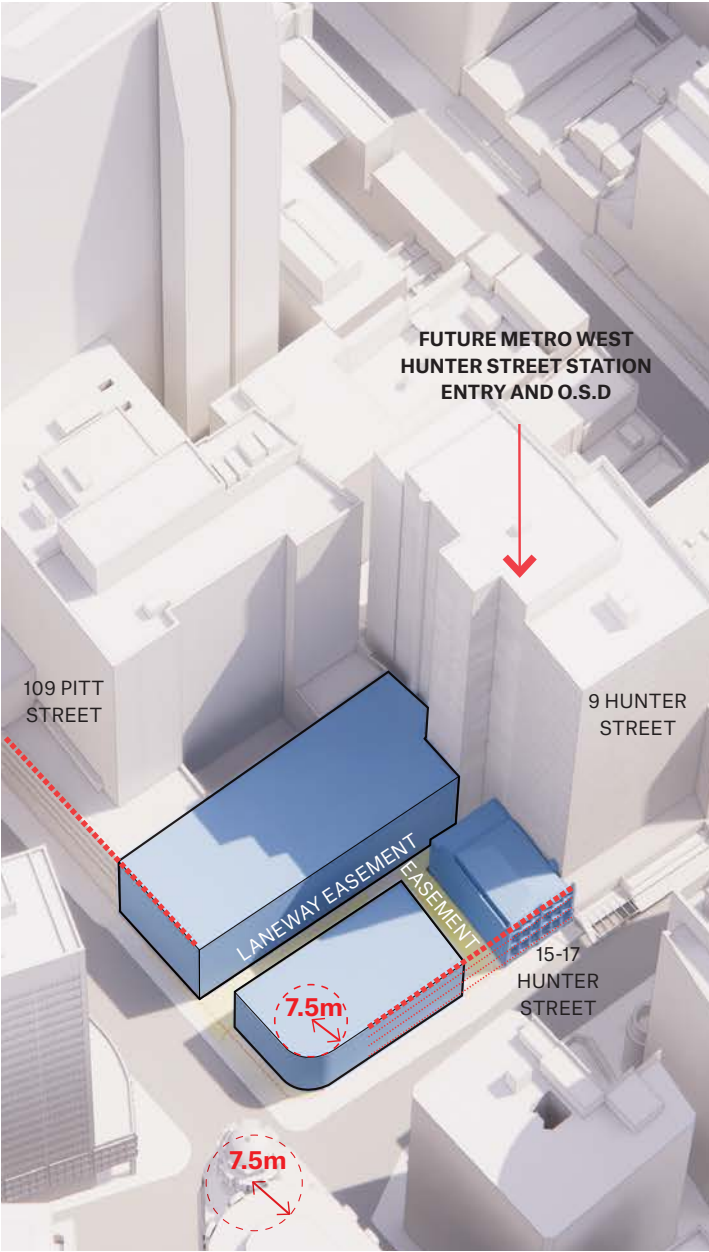


## 1. LANEWAY CREATION, ACCESS AND RETENTION

Widening of Empire Lane and creation of Hunter Lane adjacent the existing 15-17 Hunter Street, which is to be retained.

Prominent corner volume allows for multiple pedestrian entry points and street activation along both streets.

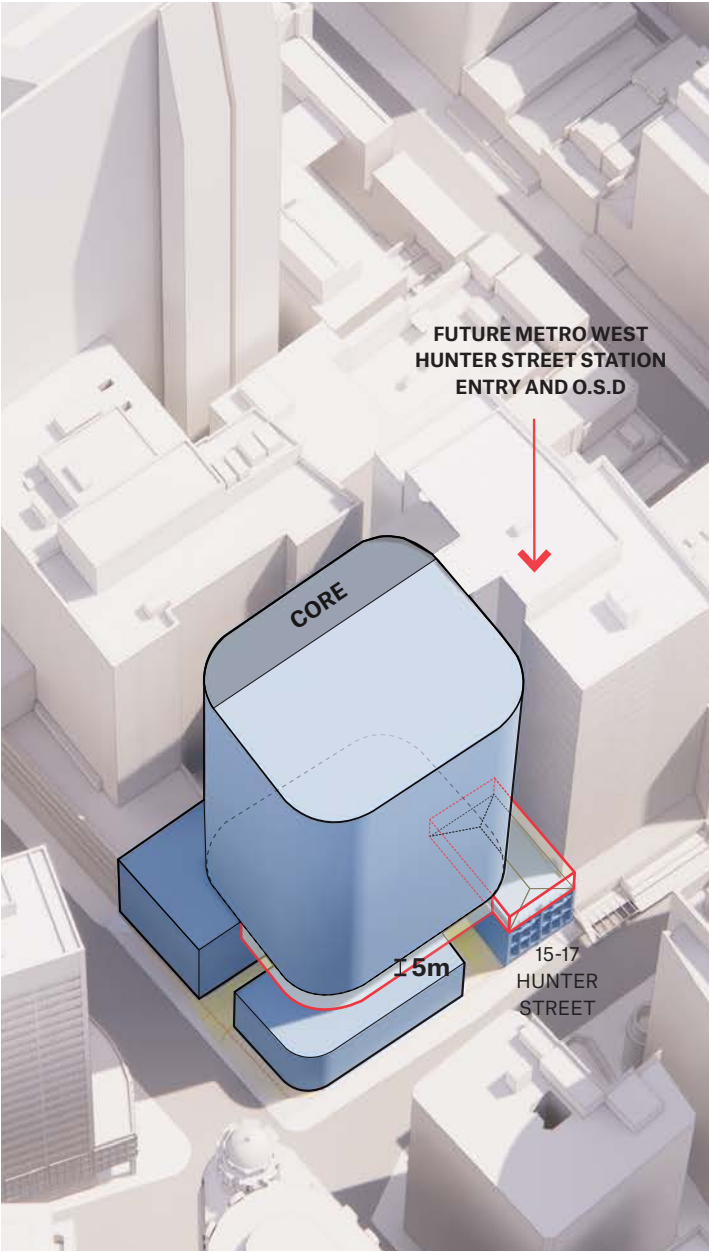
Vehicular entry is via a speed ramp located along the Southern boundary accessed via Pitt Street.



## 2. PODIUM ALIGNMENTS

Podium levels align with existing 15-17 Hunter Street features and parapet. Podium parapet to Pitt Street to align with adjacent 109 Pitt Street. Podium radius of 7.5m consistent with Radisson Blu Plaza Hotel.

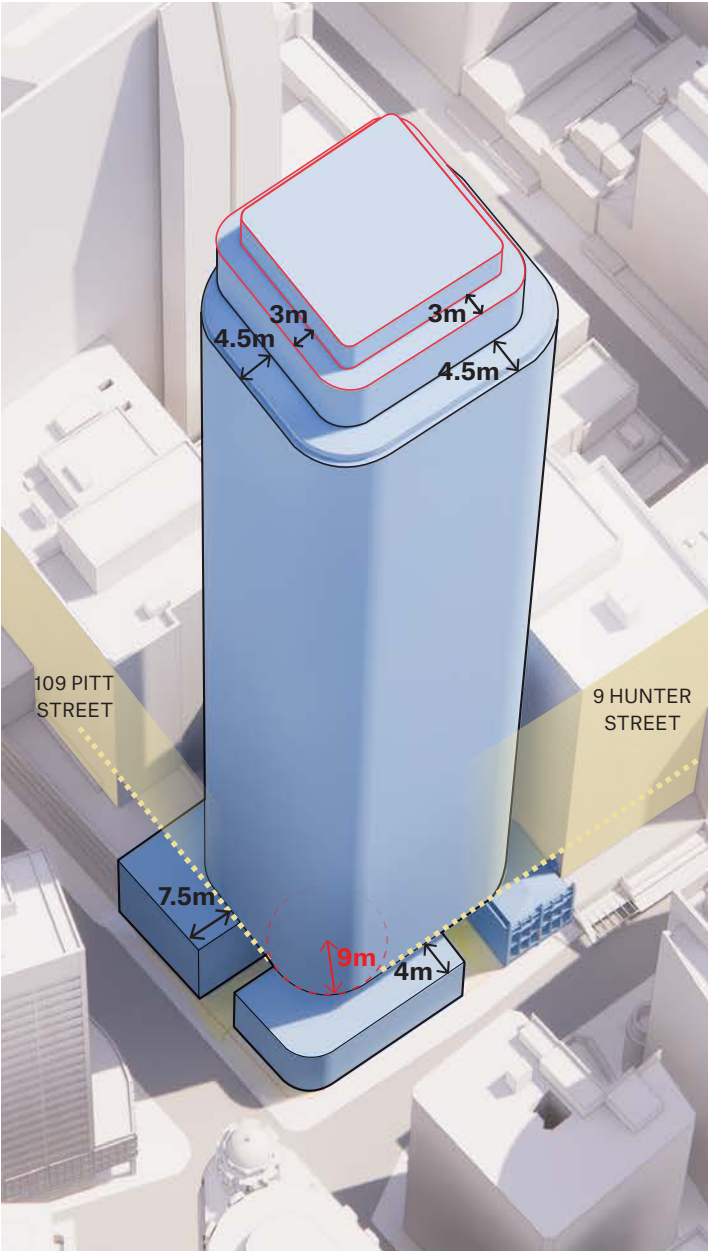
A 19m high easement protects daylight access to the laneways.



## 3. RELATIONSHIP TO CONTEXT

A 5m void above podium buildings to Hunter Street preserves daylight to the laneway and create curtilage to 15-17 Hunter Street.

The tower core is located to the south of the site. 9 Hunter Street is the future site of the Metro West Hunter Street Station entry, which will replace the existing adjacent building.



## 4. TOWER SETBACKS AND ENVELOPE

Setbacks relate to existing context and achieve minimum required size for commercial floorplates. Tower crown setback and curved corner to tower are an effective and necessary strategy in mitigating sky view loss to the street. The curved corner also addresses the unconventional alignment of Pitt and Hunter Streets.

Potential for rooftop terrace with public benefit.



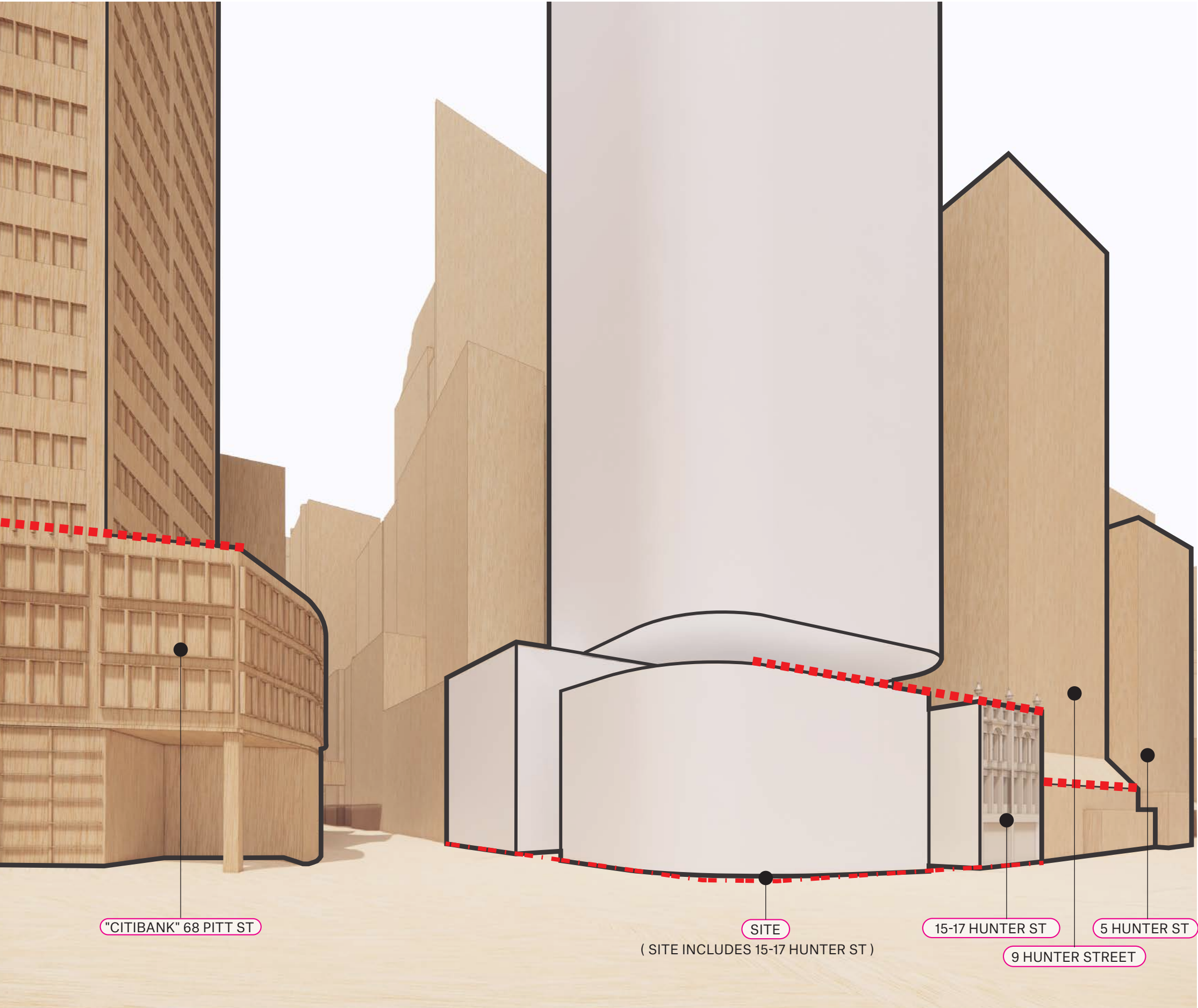
# 5.6 Podium Alignments Hunter Street

## HUNTER STREET PODIUM ALIGNMENT

The proposed envelope podium parapet aligns with the cornice of 15-17 Hunter Street, and allows the moulded spires to sail clear of the podium and remain clearly legible. The envelope comfortably allows for future floor levels to compliment and respect the facade of 15-17 Hunter Street, whilst allowing for a substantial L03 outdoor space with wind and noise protection.



Image source: Bates Smart

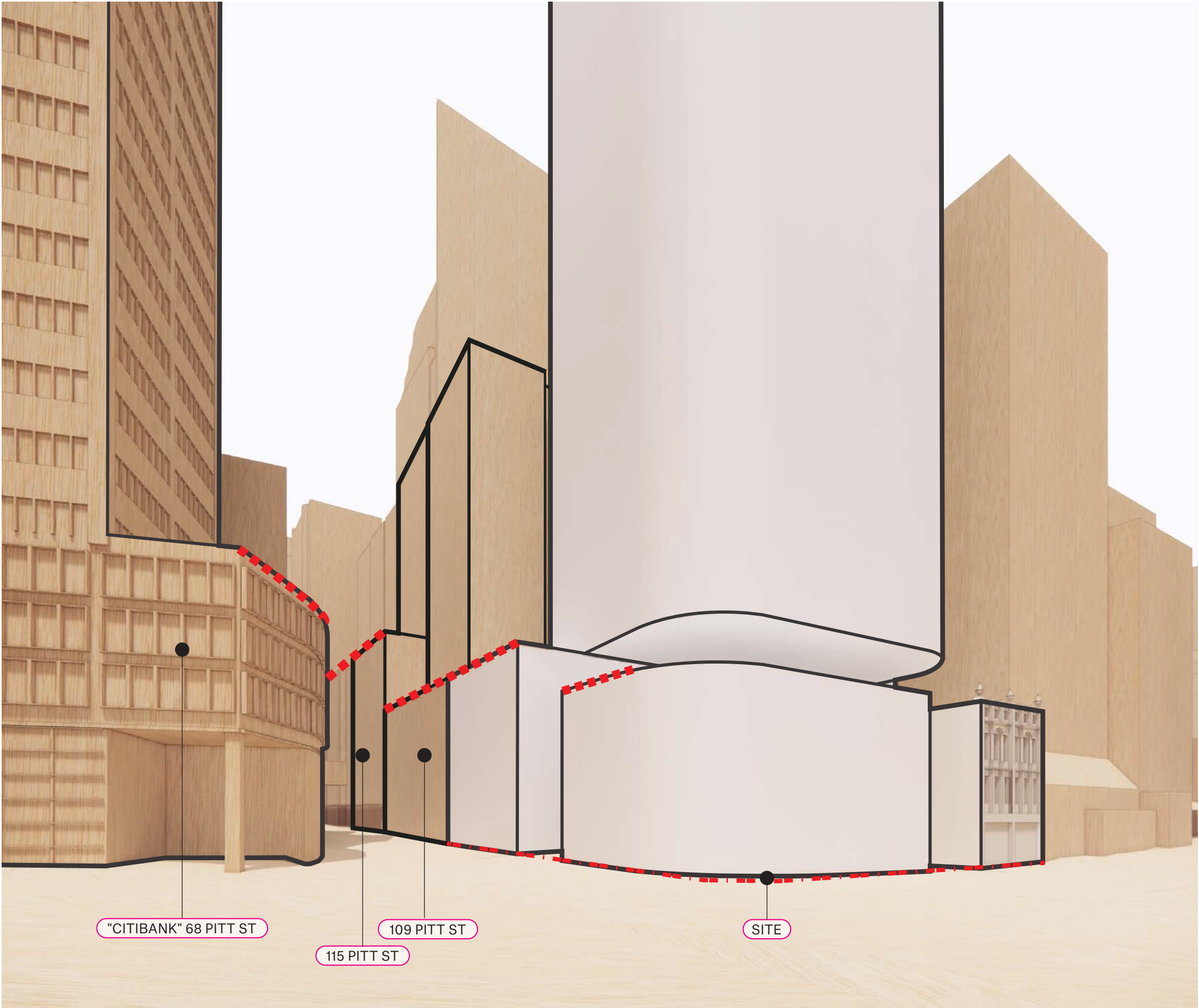




# Pitt Street

## PITT STREET PODIUM ALIGNMENT

The proposed envelope podium parapet steps up to align with 109 Pitt Street, and completes a progressive decent starting with Angel Place and 115 Pitt St. The parapet height is also in keeping with it's neighbour on the opposite side of Pitt street: "Citibank" at 68 Pitt Street.



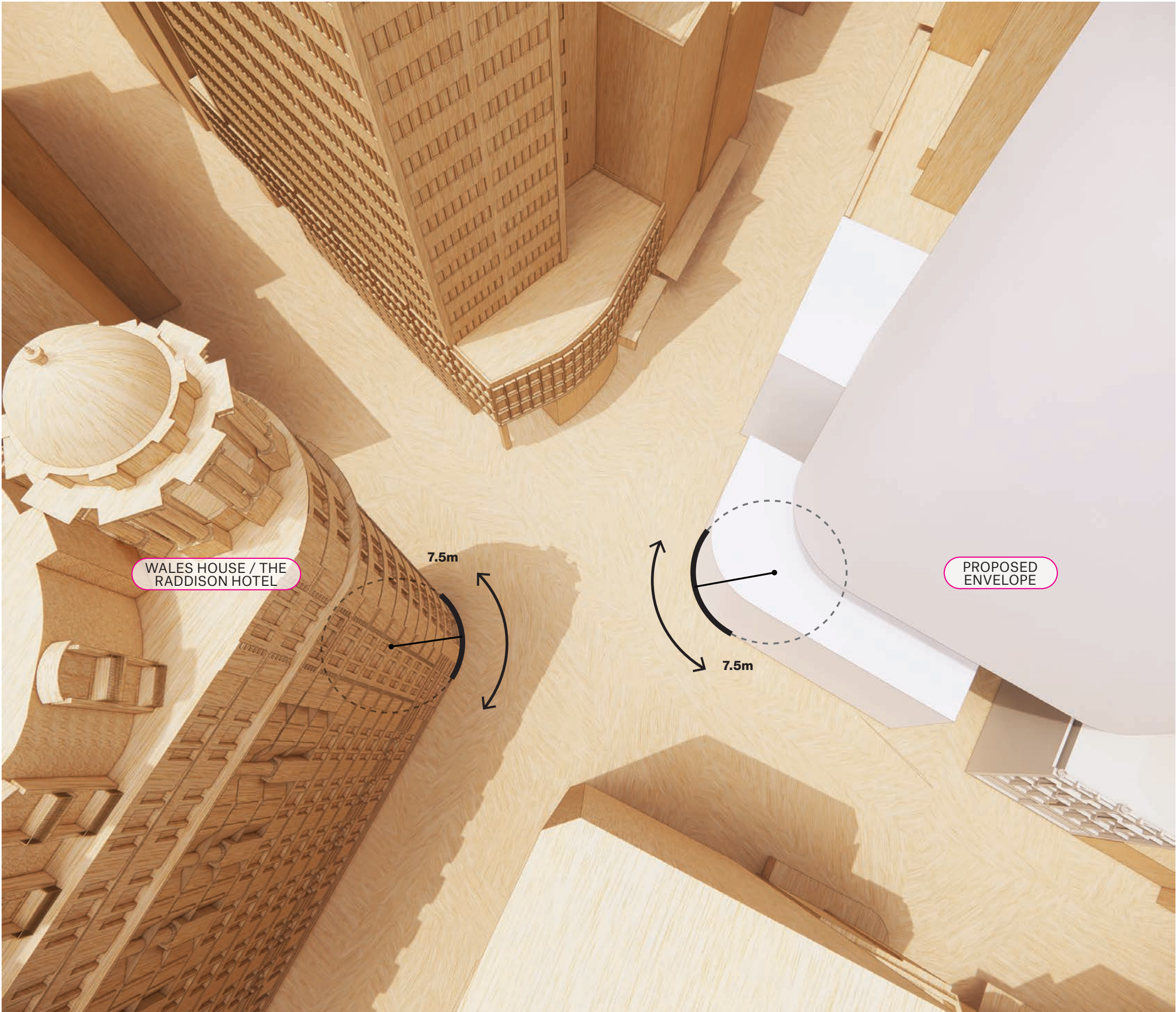


**CORNER CURVATURE / RELATIONSHIP TO WALES HOUSE (THE RADDISON HOTEL)**

The proposed cradius of 7.5m at the corner of Hunter & Pitt Streets matches the radius of the heritage listed Wales House / Raddison Hotel opposite the Site.



Image source: Bates Smart





# 5.7 Tower Setbacks

## HUNTER STREET

The provision of an 8m tower setback would create further inconsistency in the Hunter Street wall alignment established to the west and the east. The site is located at a prominent Central Sydney Street corner and will be a defining form in the emerging tower cluster. As such there is urban design merit in anchoring the street corner with a landmark form that sits closer to a primary street frontage.

The radiused tower corners soften the built form edge as opposed to a uniform tower setback with squared off corners.

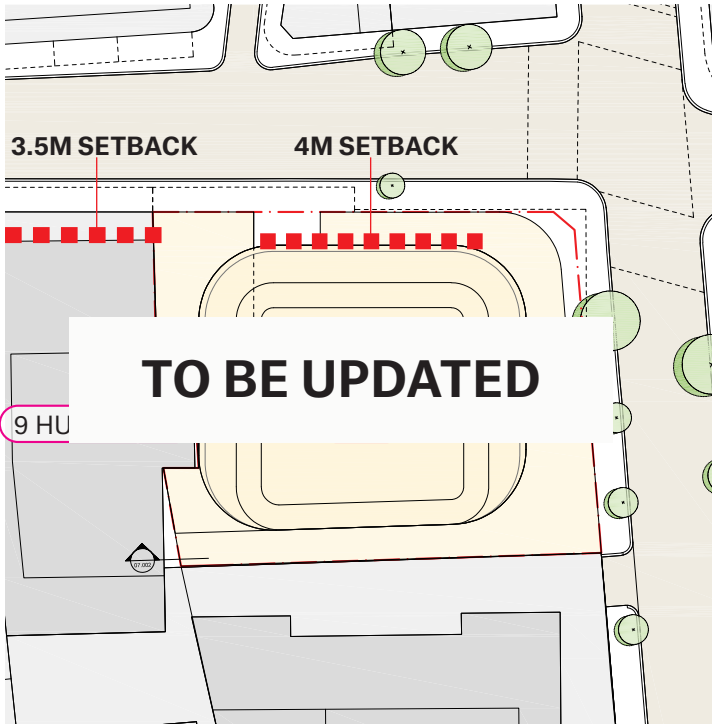
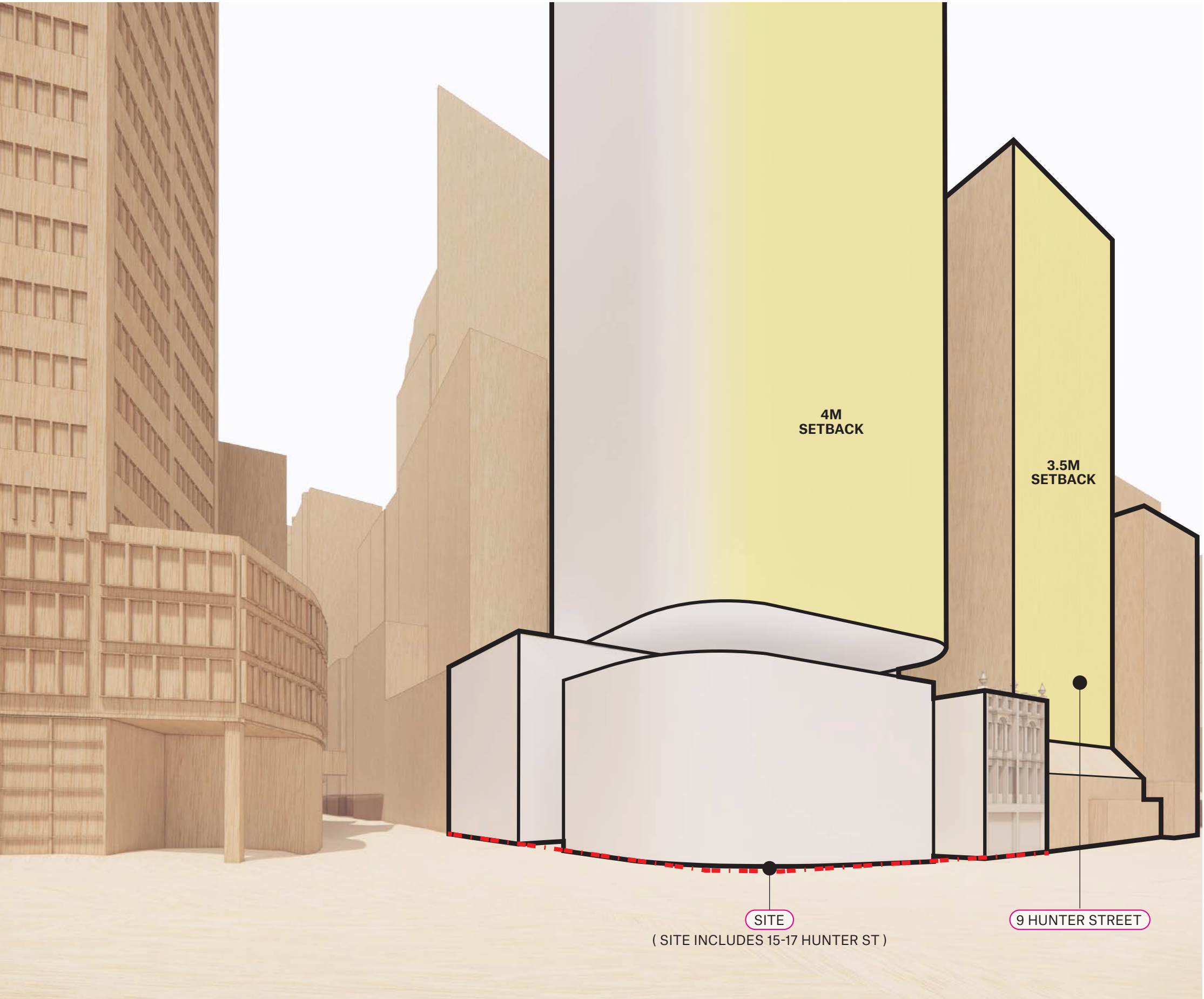


Image source: Bates Smart





PITT STREET

The setback is 8m at the Southern Edge of the tower, and reduces to 7m towards Hunter Street. The envelope's acute angle to Pitt Street is consistent with North/South grid alignments of the local context including both 109 Pitt Street and 105 Pitt Street.

The radiused tower corners further increase the effective setback at the southern end of the tower and open up views and daylight to 109 Pitt Street, achieving an 11m street setback at the mid-point of the curve.

The setback at the corner of Hunter & Pitt is suitable for an urban tower of this prominence and appears contextually appropriate.

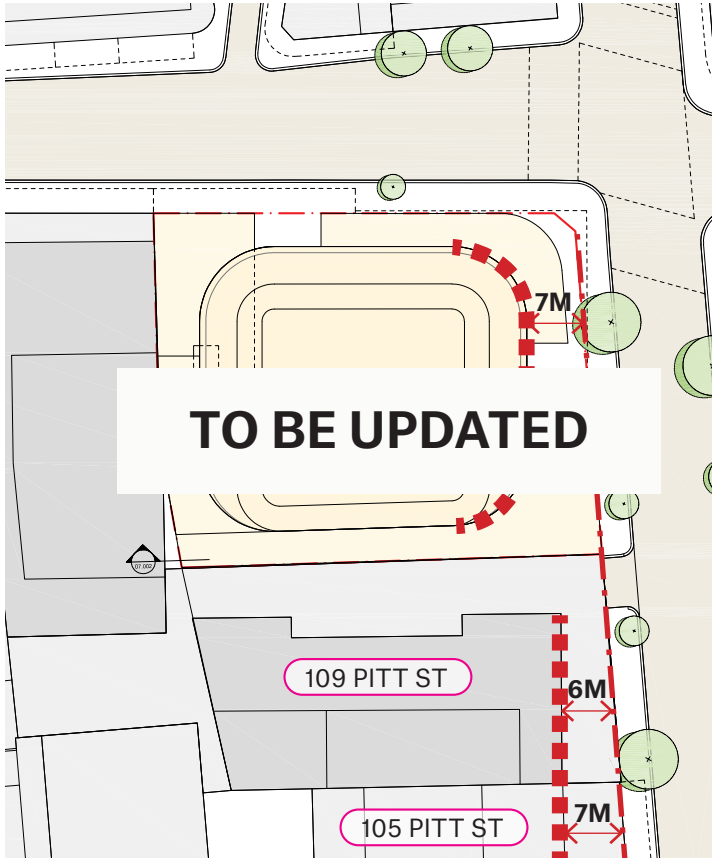
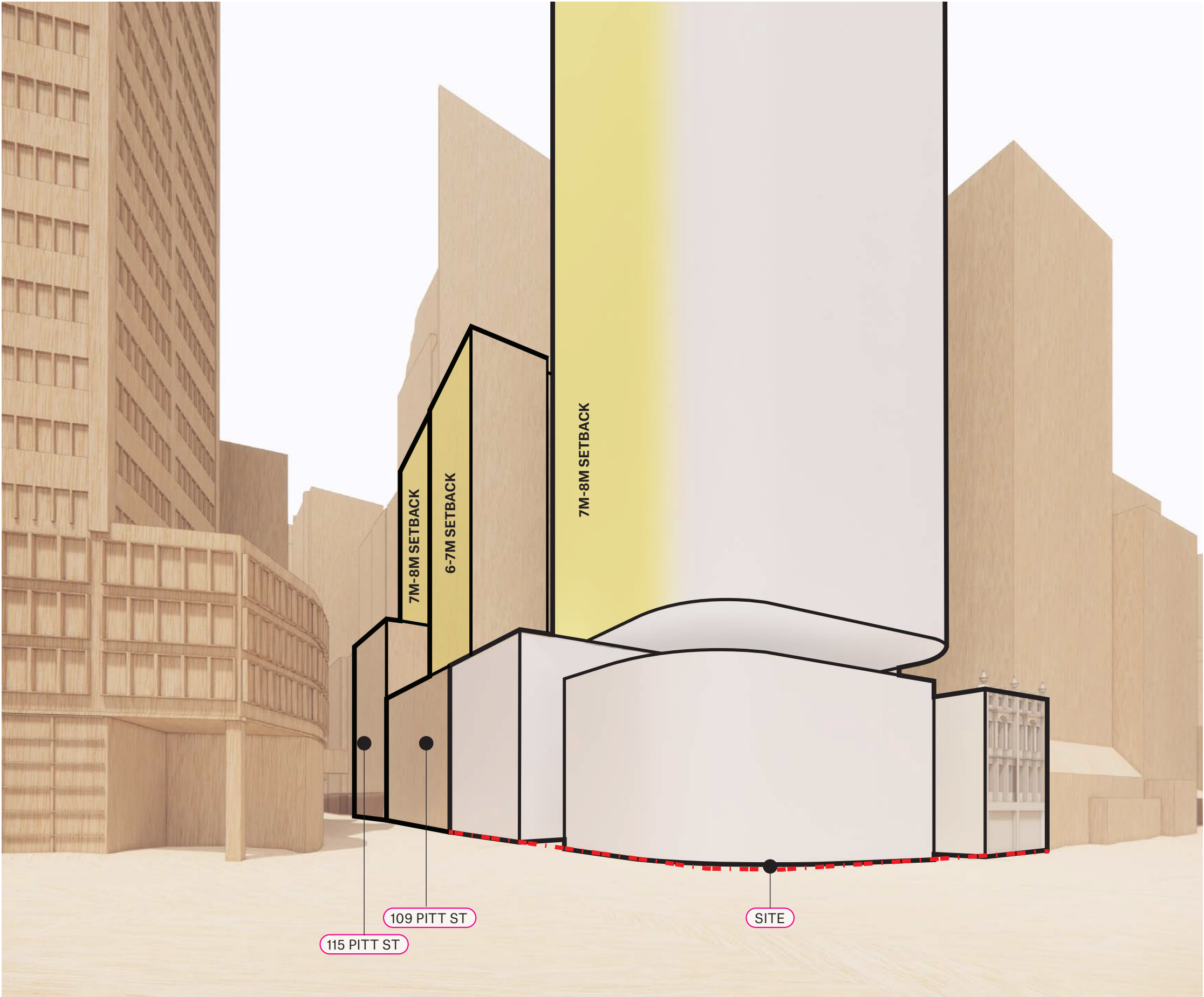


Image source: Bates Smart





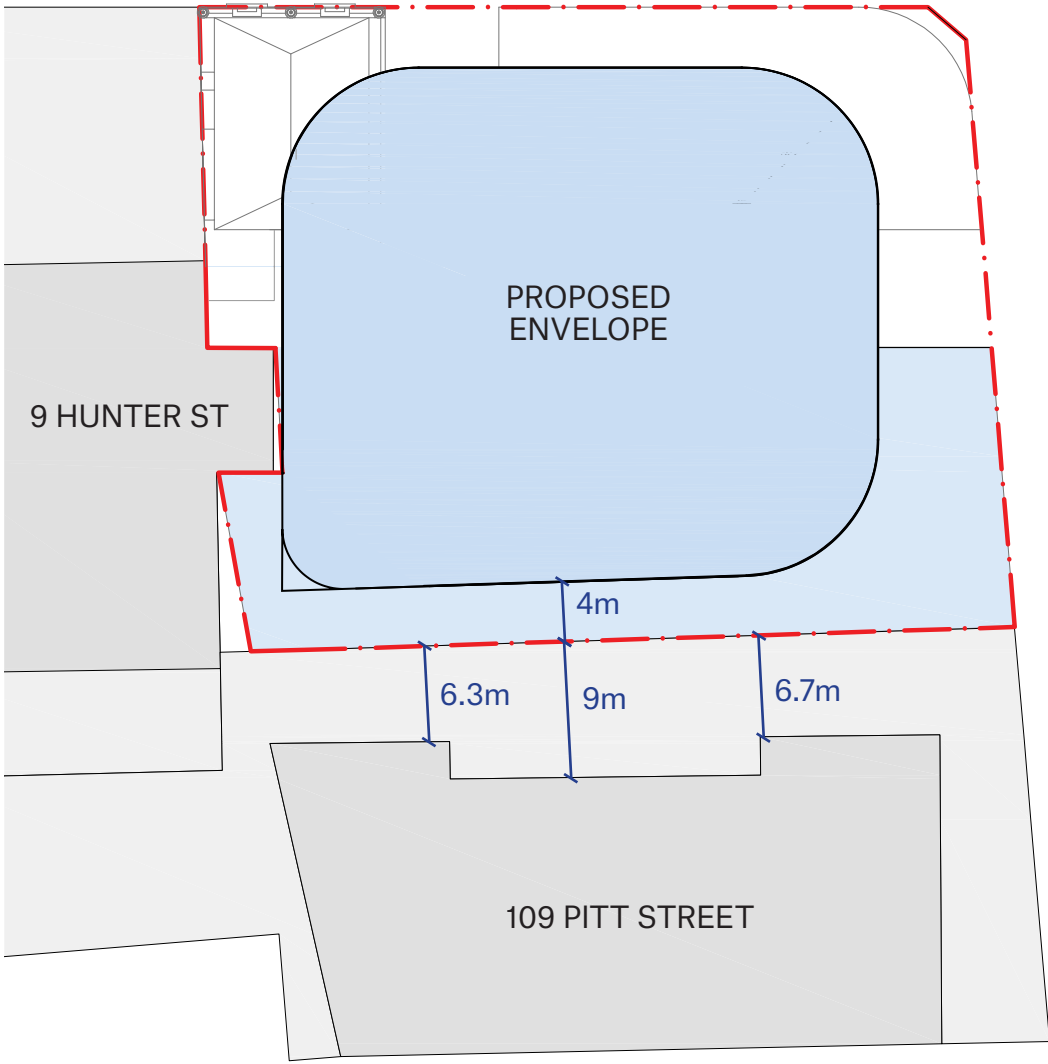
TOWER SETBACK TO 109 PITT STREET

Any future redevelopment of the 109 Pitt Street site is considered unlikely due to the complex nature of the land holding, comprising 174 individual strata lots. Due to the complexity of purchasing this site for redevelopment, it is reasonable to assume the 10m building separation will be retained into the future.

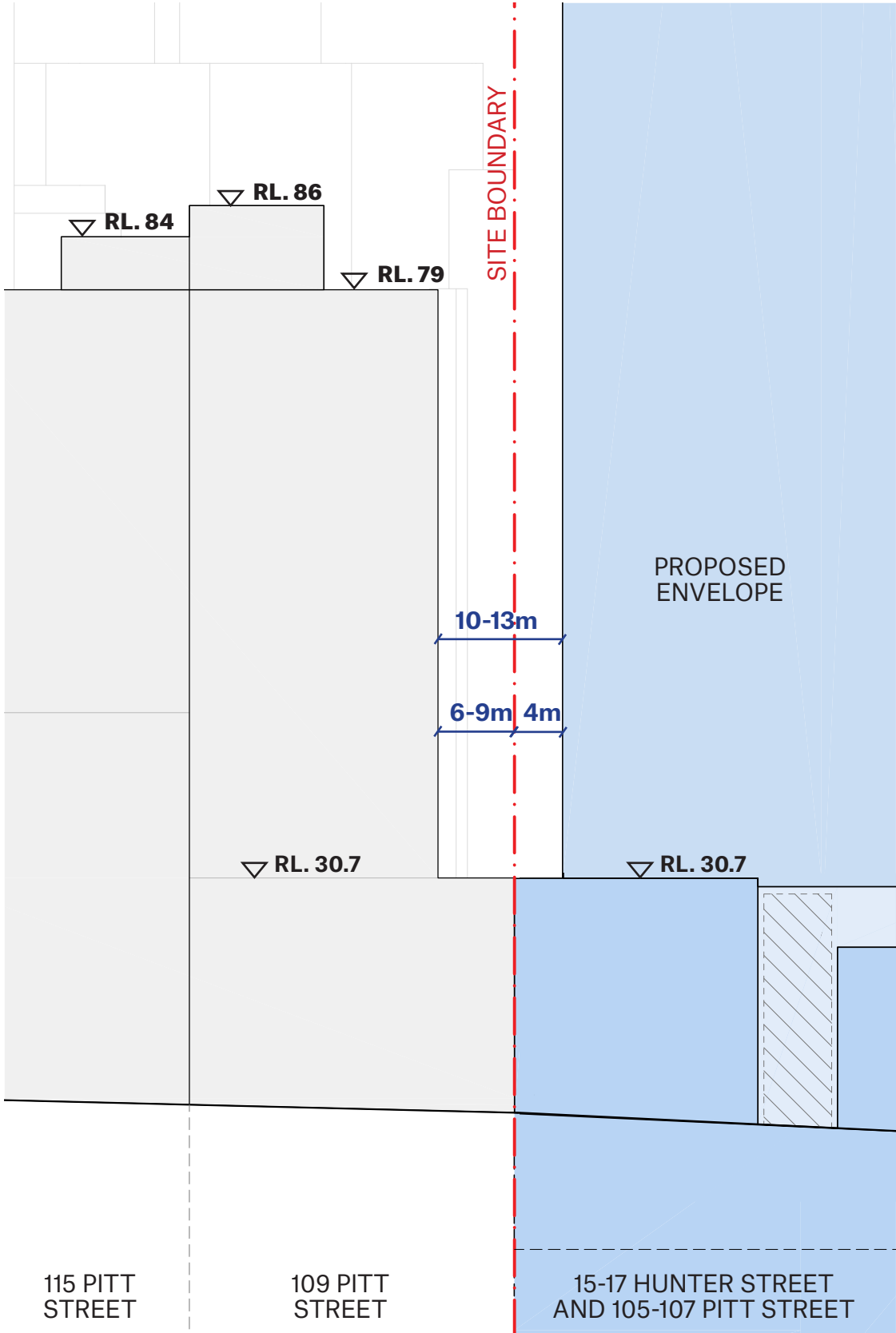
The intended and most logical core position is to the southern portion of the proposed envelope. As such, it is envisaged that the southern façade will be largely inactive therefore warranting a reduced setback and building separation to the south.

The envelope, including the 4m setback, has been tested against Schedule 11 and has been determined to be of greater benefit to pedestrian amenity when compared to a tower with a uniform 8m setback across the full extent of this frontage.

The typical separation between the the 109 Pitt Street building and the proposed tower envelope is between 10 and 13m.



ENVELOPE PLAN



ENVELOPE ELEVATION

Pitt Street

1:500 @ A3



Image source: Bates Smart



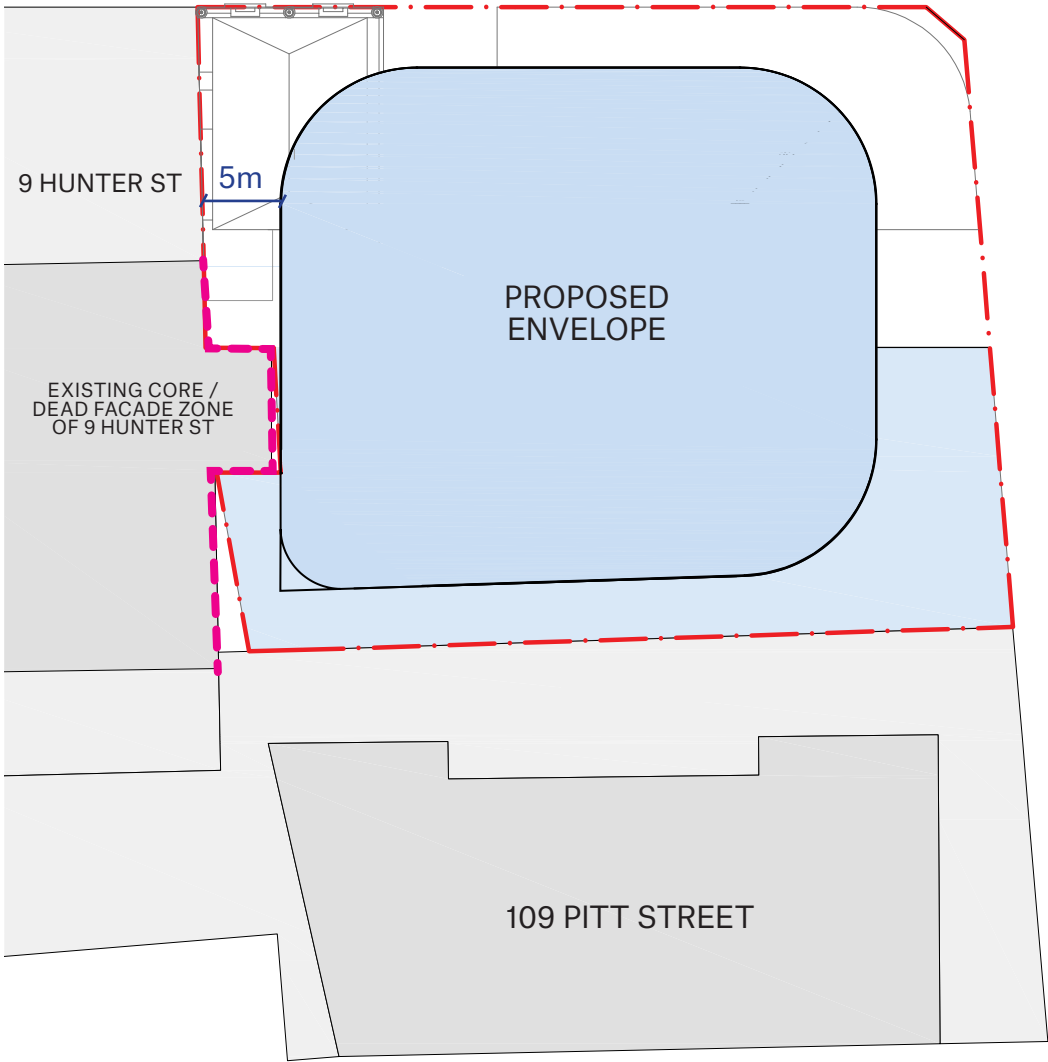
TOWER SETBACK TO 9 HUNTER STREET

It has been widely accepted in the Central Sydney that where an adjoining site presents a party wall or an inactive façade, there is merit in meeting the property boundary to negate ‘dead spaces’ between buildings.

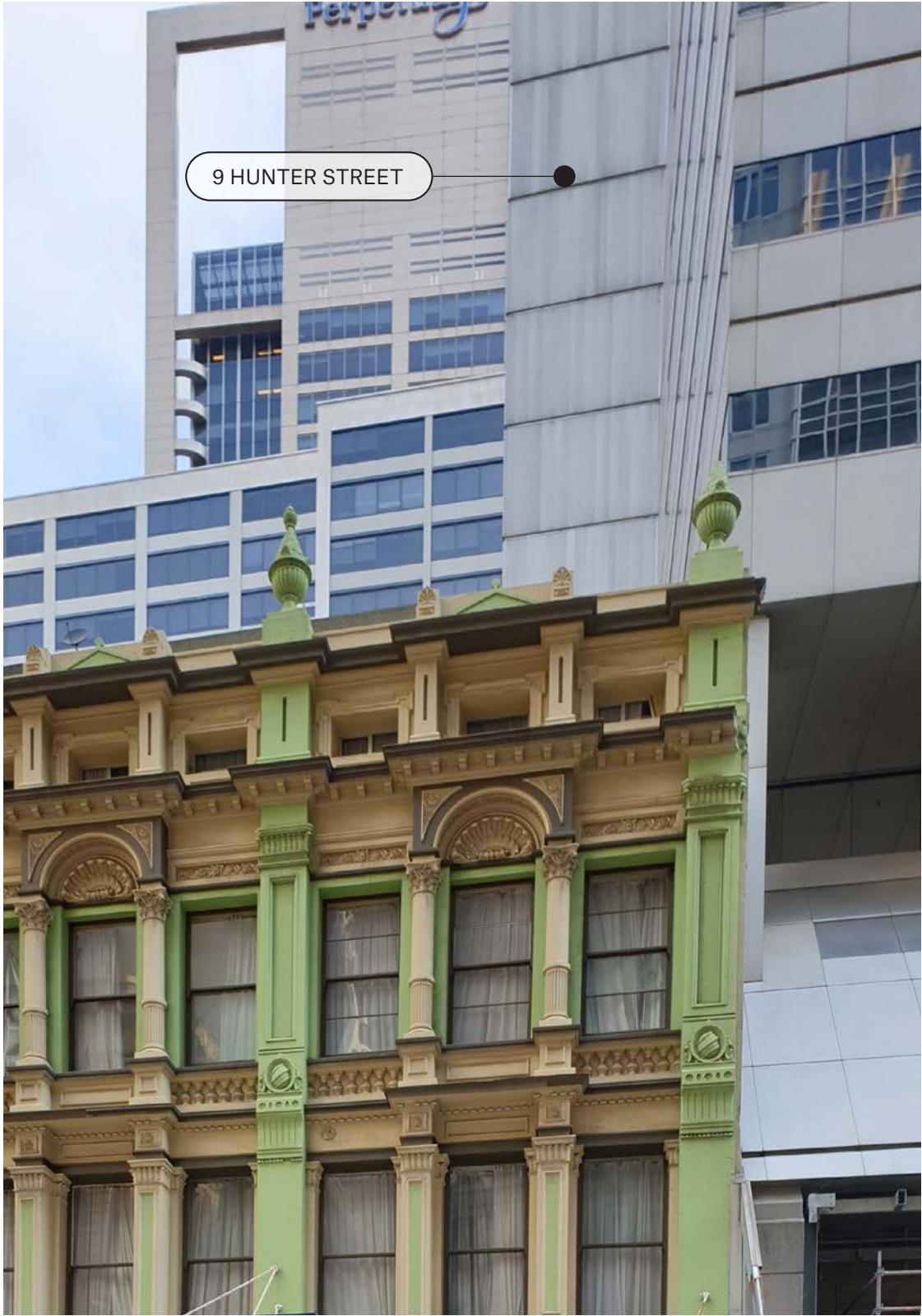
A Nil setback is only proposed to the inactive portion of the 9 Hunter Street façade. This is the building’s secondary façade only, with a glazed tower façade presented to its northern, southern and western boundaries. As such, high levels of commercial amenity will be retained through these outlooks.

Where the proposed tower presents a 5.3m western setback, this corresponds with the partially glazed portion the 9 Hunter Street eastern façade. While this presents a minor variation to the 8m setback provision, the built form relationship with the adjoining building to the west is softened through the radiused north western corner.

The typical setback to 9 Hunter Street is 5m. This reduces to 0m at the dead space of 9 Hunter Street's projecting concrete core.



ENVELOPE PLAN



PHOTOGRAPH OF 9 HUNTER STREET'S EXISTING CORE PROTUSION

As viewed from street level.



# 5.8 Typical Envelope Floorplate Design

Larger floorplates are generally preferred by Tenants as they achieve greater connectivity between staff all being on the one floor. They are also generally more efficient in terms of the number of staff who can share amenities on the floor.

The Ideal Floorplate has a broad range, but in general multi-floor tenant’s prefer a minimum of 100x people per floor (often structured as two smaller hoods (2x smaller hoods of 50 people), and going below this could be a barrier to attracting tenants.

The Proposed Envelope provides significantly better usable space per level compared to the Schedule 11 Comparison Envelope.

01

**MIN.  
FLOOR PLATE**  
1,000sqm NLA  
(1,200 sqm GBA)

02

**IDEAL  
FLOOR PLATE**  
1,800 - 3,500sqm NLA  
(2,100 - 4,000sqm GBA)

03

**CORE  
EFFICIENCY**  
10 - 15% of GBA

04

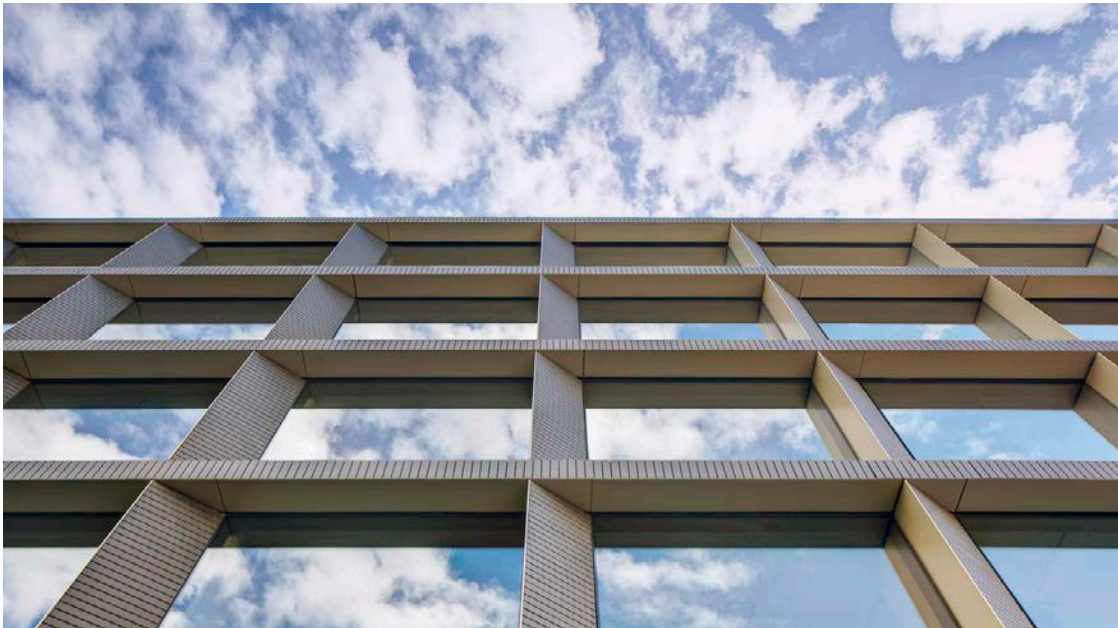
**STRUCTURAL  
SPANS**  
12 - 16 m (9 m min.)  
3.5 - 4.5 m Cantilevers

05

**DEPTH OF  
WORKSPACE**  
15 - 18m or  
18 - 27 m with atrium

06

**CONNECTIVITY**  
Space for teams to share  
ideas with ease.



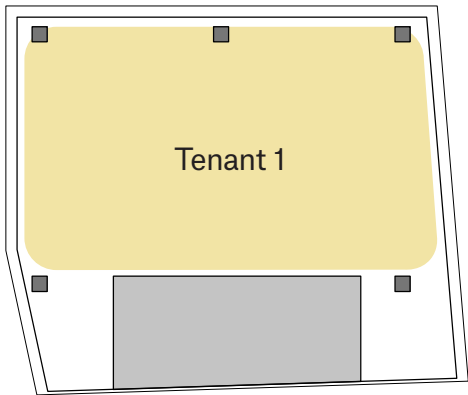
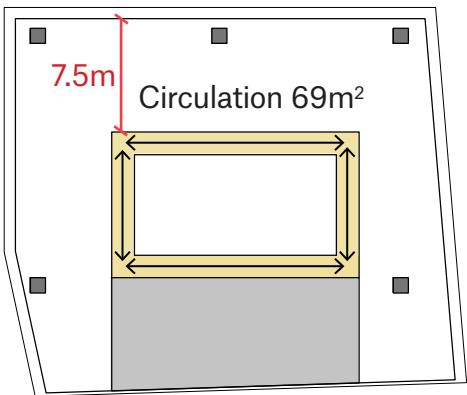
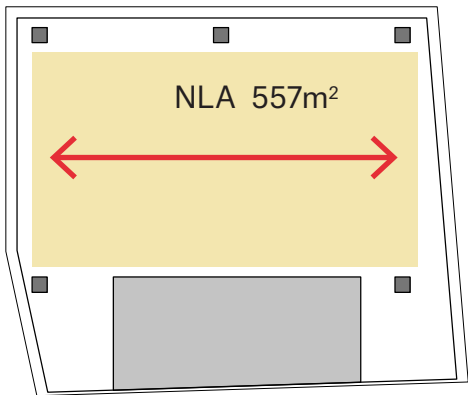
**WORKSHOP**  
**21 HARRIS STREET, PYRMONT**  
**BATES SMART AND MILLIGAN GROUP**  
Images by Brett Boardman (above) and Anson Smart (below)



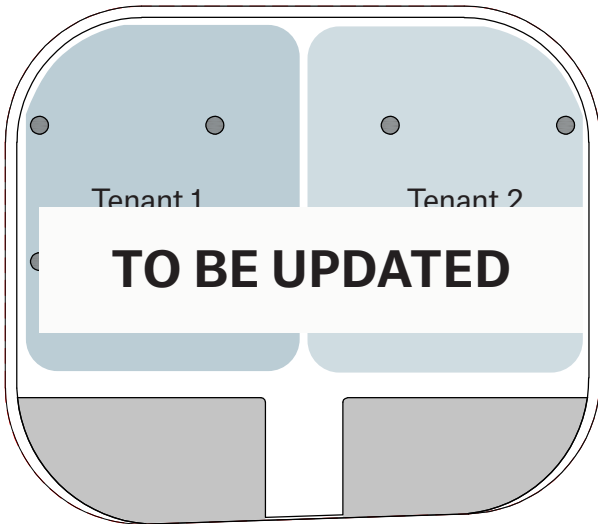
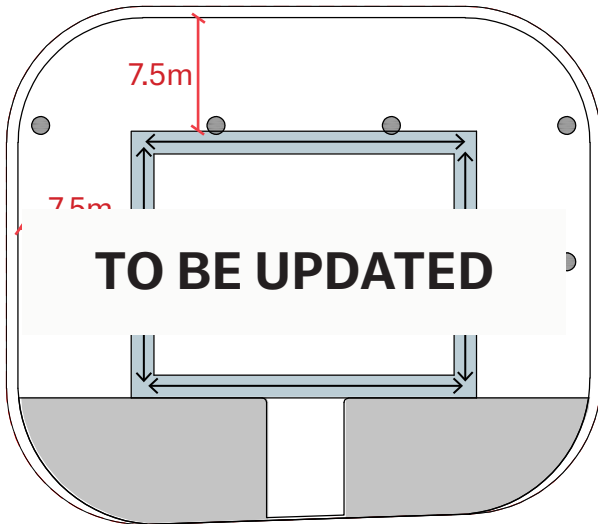
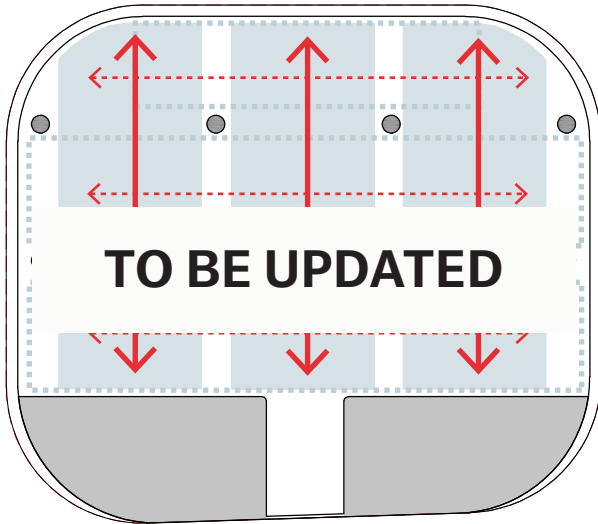
After allowing for a 750mm facade zone and other factors, the Net Usable Area of the Schedule 11 Envelope floorplate is nearly half the size of the Proposed Envelope floorplate.

This increase offers considerable benefit to prospective multi-level tenants.

SCHEDULE 11 ENVELOPE



PROPOSED ENVELOPE



KEY WORKPLACE METRICS:

SCHEDULE 11 ENVELOPE

NLA :	557m²
NUA:	488m²
Tenancy Efficiency:	88%

PROPOSED ENVELOPE

NLA:	962m²
NUA:	850m²
Tenancy Efficiency:	88%

Image source: Bates Smart

CONTIGUITY & CONNECTIVITY

A contiguous space is one in which all occupants have direct visual connection to each other. A large contiguous zone maximizes space planning flexibility and can accommodate large teams in visually connected space to support team and cultural integration.

Each proposed floorplate has large contiguous zones in both directions, such that there is excellent visibility across the entire floorplate and flexibility in the layout of the floorplate and organisation of teams. Whilst the Schedule 11 floorplate does have a clear contiguous zone, the floor space area is significantly smaller and therefore is not able to accommodate larger tenants.

TENANT CIRCULATION EFFICIENCY

Tenant Efficiency is a measure of the tenant's ability to make best use of the available space, and as such it relates to rental value. Tennant Efficiency is the ratio of Net Usable Area (NUA) to Net Lettable Area (NLA) expressed as a percentage. NUA is calculated as NLA less the circulation space required at 1.5m width such that no part of the floor is further than 7.5m from a circulation path.

Both the Schedule 11 and the proposed floorplates have a Tenant Efficiency of 88%, being excellent. The overall NUA of the proposed floorplate is significantly higher, at 850m², than the 488m² floorplate of the Schedule 11 envelope.

EFFICIENCY: 88%

SUB-DIVISIBILITY

Sub-divisibility is the capability to divide a floorplate into two secure tenancy compartments without losing a large amount of Net Tenancy Area. Each compartment should have a reasonable address with respect to lifts, and meet regulatory requirements in terms of amenities and fire egress.

The proposed floorplate can be readily sub-divided into two tenancies, which can be easily adjusted in area. Due to the small size of the Schedule 11 envelope floorplate, it is unlikely that it would be divided into multiple tenancies, making the floorplate less flexible.



**6.0**

# Envelope Drawings

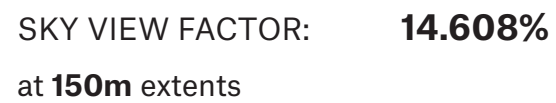
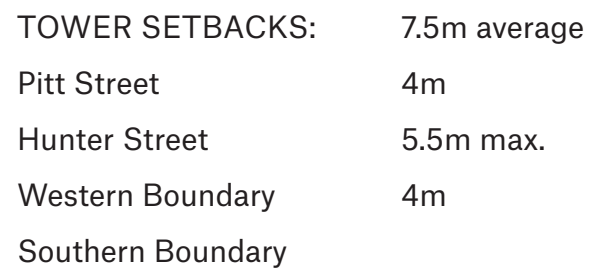
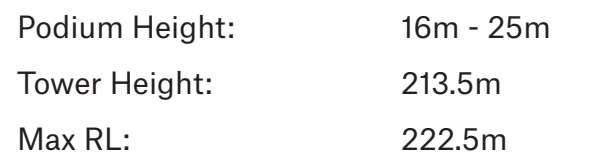
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105-107 Pitt Street Sydney



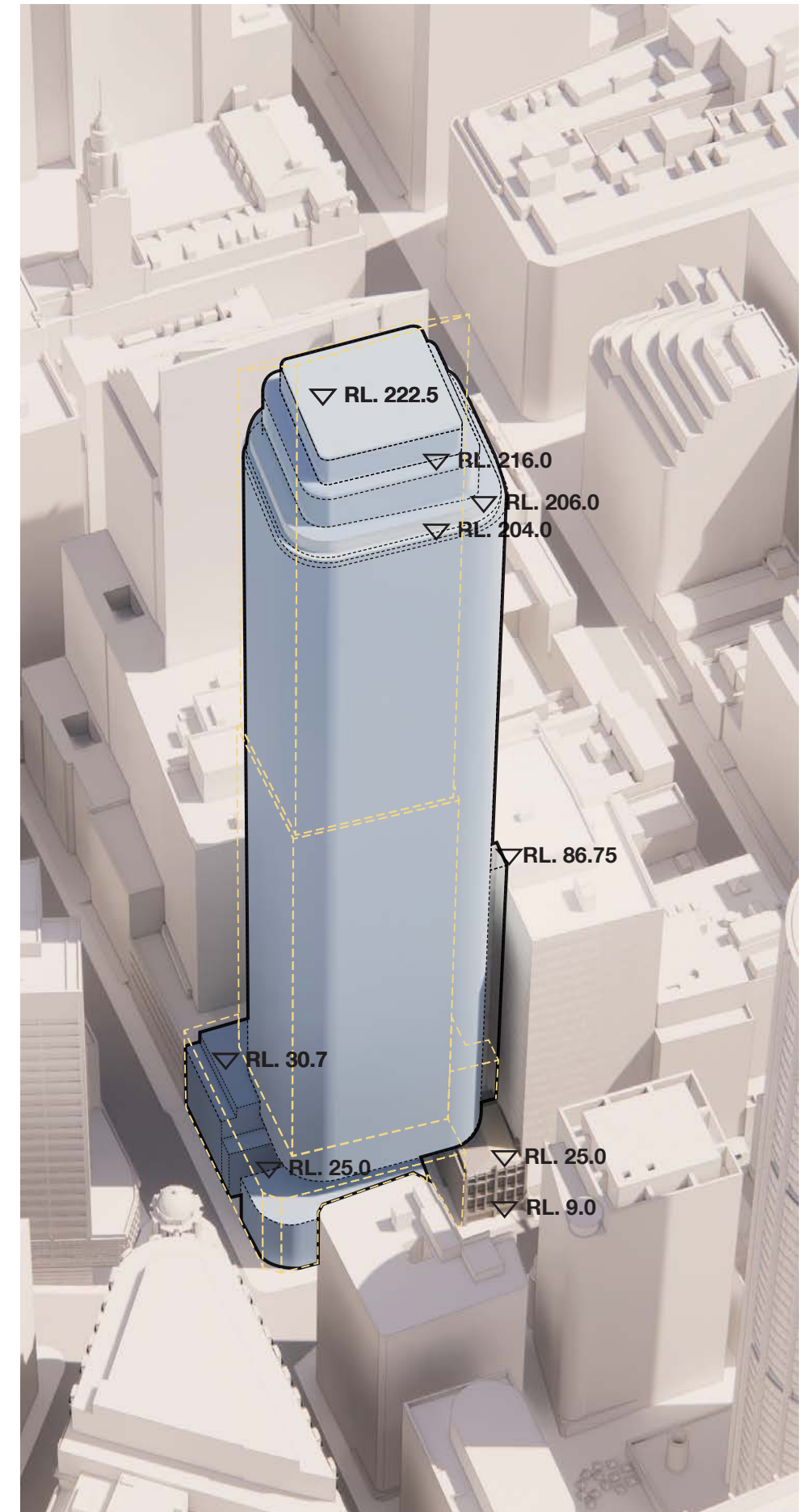
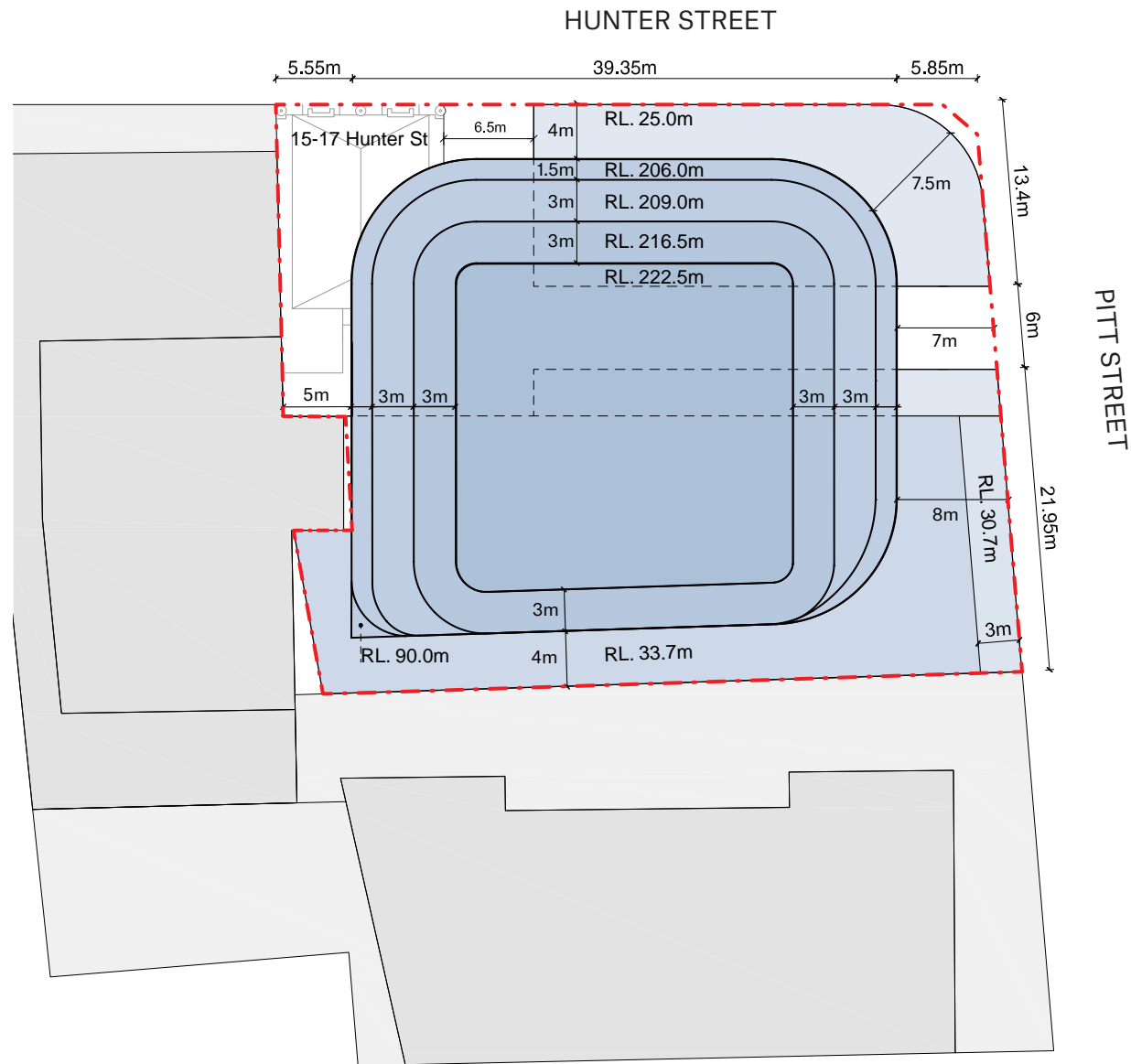


## Proposed Envelope

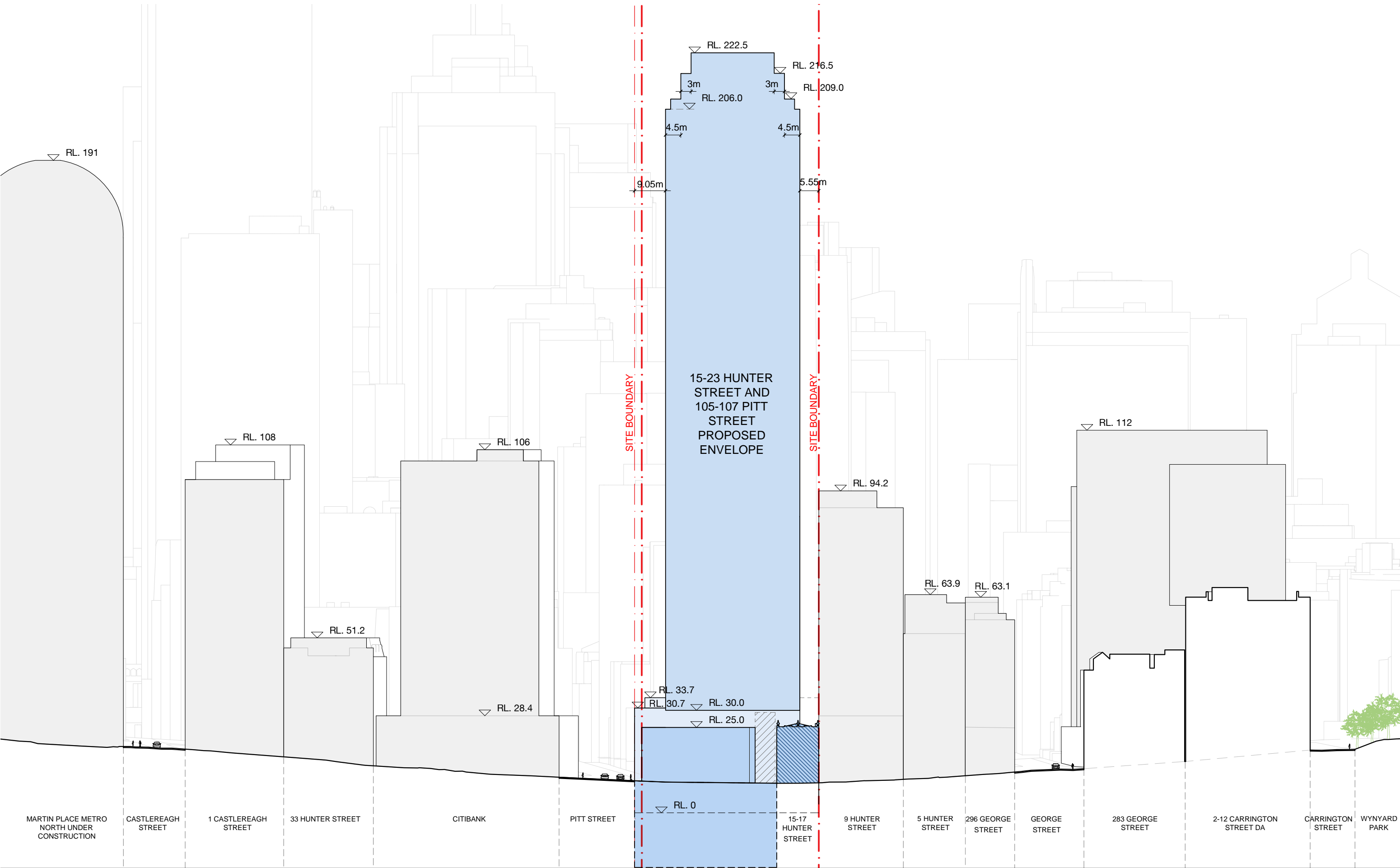
— — — — Schedule 11 envelope  
dashed shown in yellow



This is an improvement of **0.004%** compared to the Schedule 11 Base Case Envelope at 150m extents with the existing 15-17 Hunter Street building considered as heritage listed.







LEGEND:

- SITE BOUNDARY
- PROPOSED ENVELOPE - ELEVATION
- PROPOSED ENVELOPE - SECTION
- EXISTING 15-17 HUNTER STREET BUILDING
- PROPOSED ENVELOPE - EASEMENT
- PROPOSED ENVELOPE - STRUCTURE ONLY
- ZONE OF PUNCHED OPENINGS FOR PEDESTRIAN MOVEMENT TO POTENTIAL METRO CONCOURSE

MILLIGAN

Revision	Date	Description	Initial	Checked
E	22.05.2022	PLANNING PROPOSAL	DS	GL
D	18.03.2022	PLANNING PROPOSAL	DS	GL
C	18.02.2022	PLANNING PROPOSAL	DS	GL
B	26.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope North Elevation  
Hunter Street Looking South

Check all dimensions and site conditions prior to commencement of any work, the purchase or ordering of any materials, fittings, plant, services or equipment and the preparation of shop drawings and/or the fabrication of any components.  
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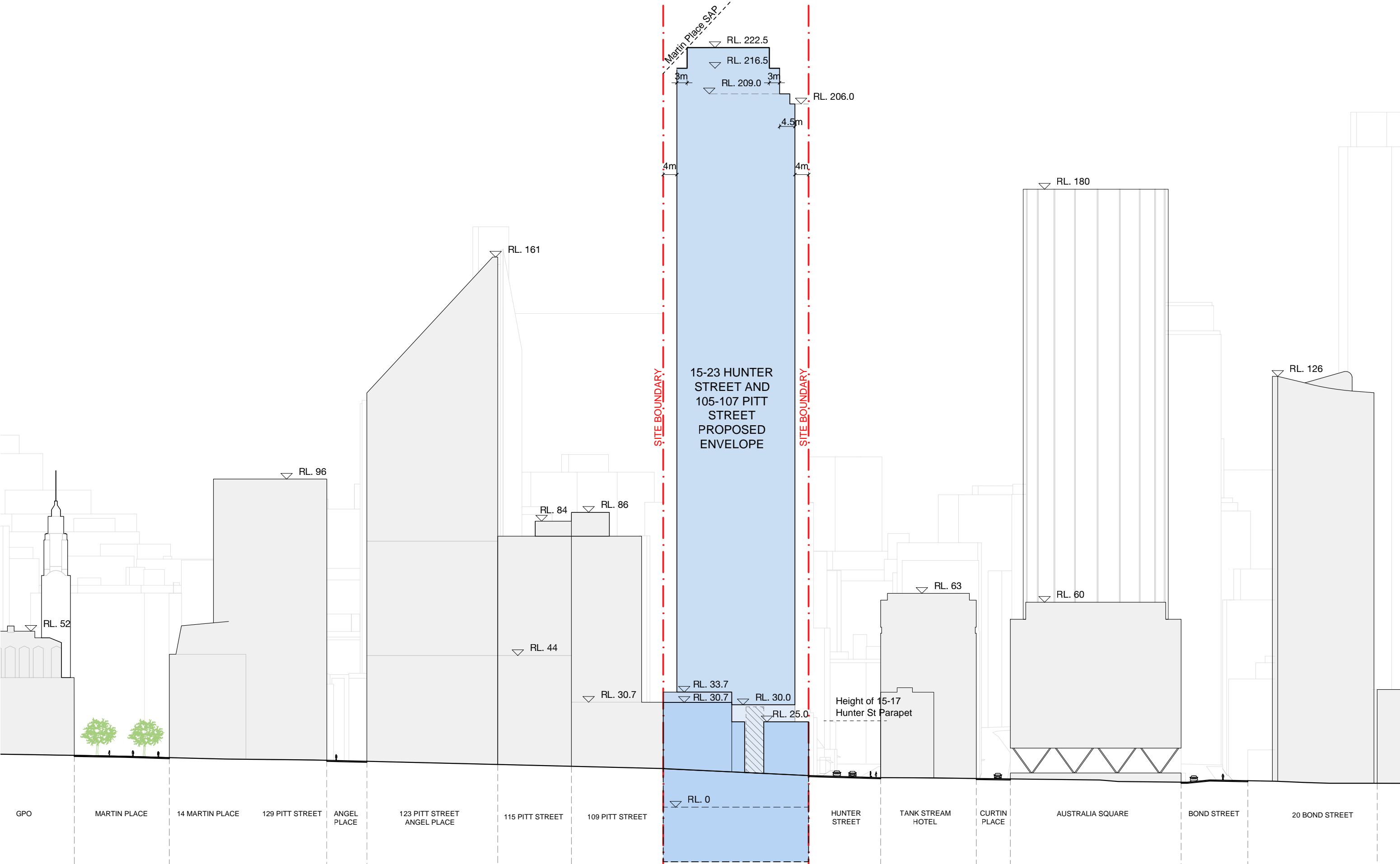
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LEGEND:

- SITE BOUNDARY
- PROPOSED ENVELOPE - ELEVATION
- PROPOSED ENVELOPE - SECTION
- EXISTING 15-17 HUNTER STREET BUILDING
- PROPOSED ENVELOPE - EASEMENT
- PROPOSED ENVELOPE - STRUCTURE ONLY
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A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope East Elevation  
Pitt Street Looking West

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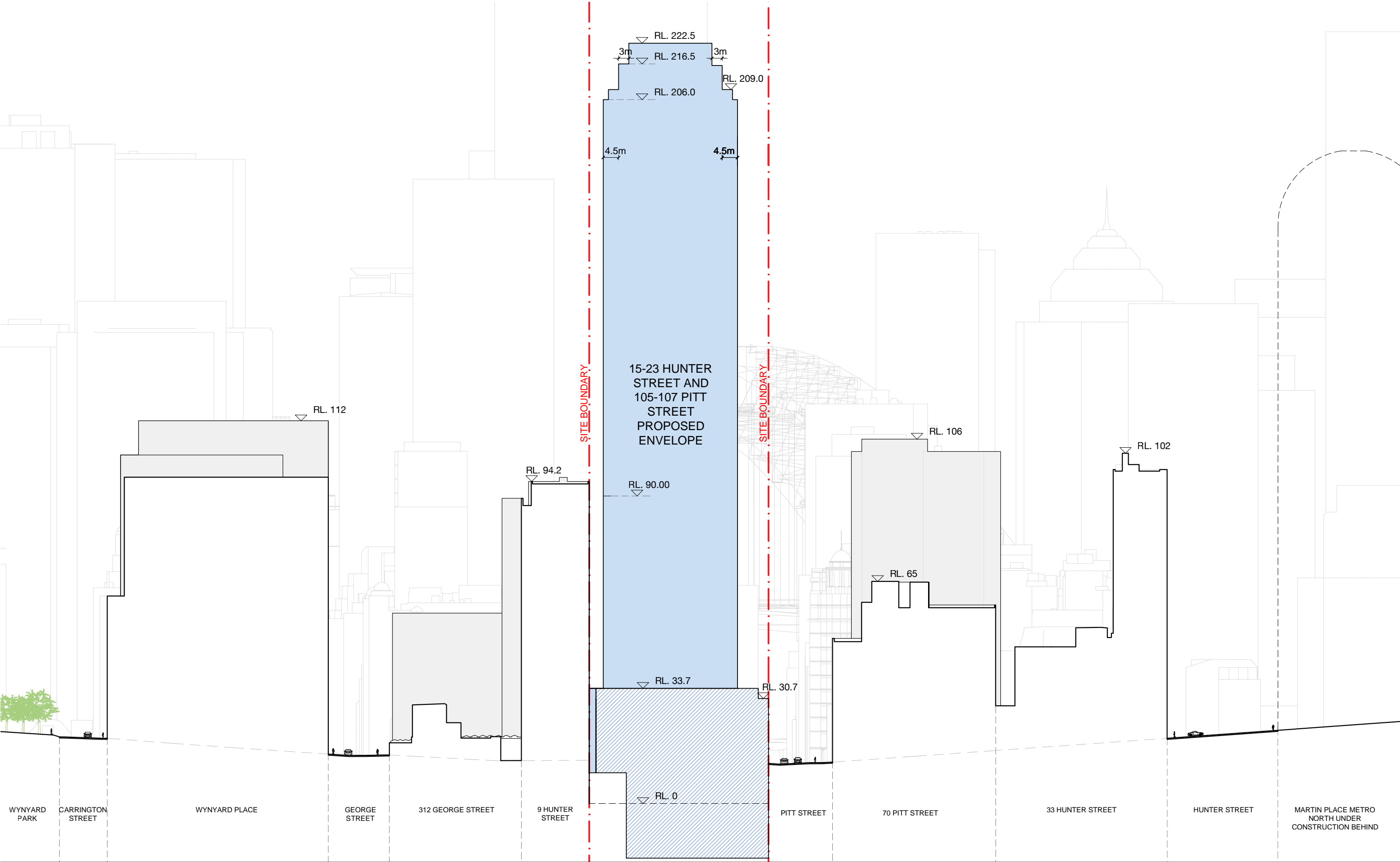
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LEGEND:

SITE BOUNDARY

PROPOSED ENVELOPE - ELEVATION

PROPOSED ENVELOPE - SECTION

EXISTING 15-17 HUNTER STREET BUILDING

PROPOSED ENVELOPE - EASEMENT

PROPOSED ENVELOPE - STRUCTURE ONLY

ZONE OF PUNCHED OPENINGS FOR PEDESTRIAN MOVEMENT TO POTENTIAL METRO CONCOURSE

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C	18.02.2022	PLANNING PROPOSAL	DS	GL
B	28.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope Section AA  
South Elevation (Looking North)

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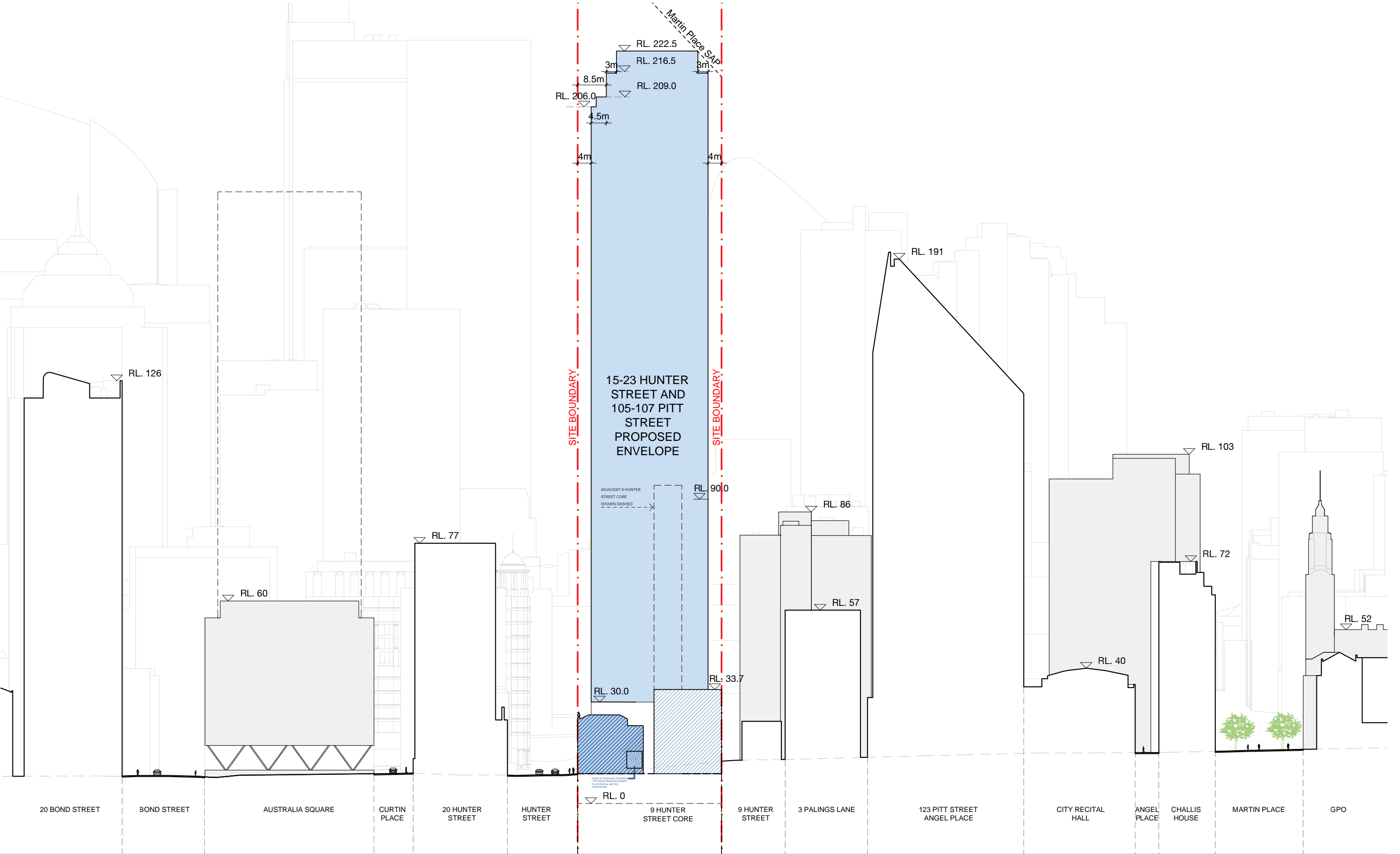
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LEGEND:

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B	26.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope Section BB  
West Elevation (Looking East)

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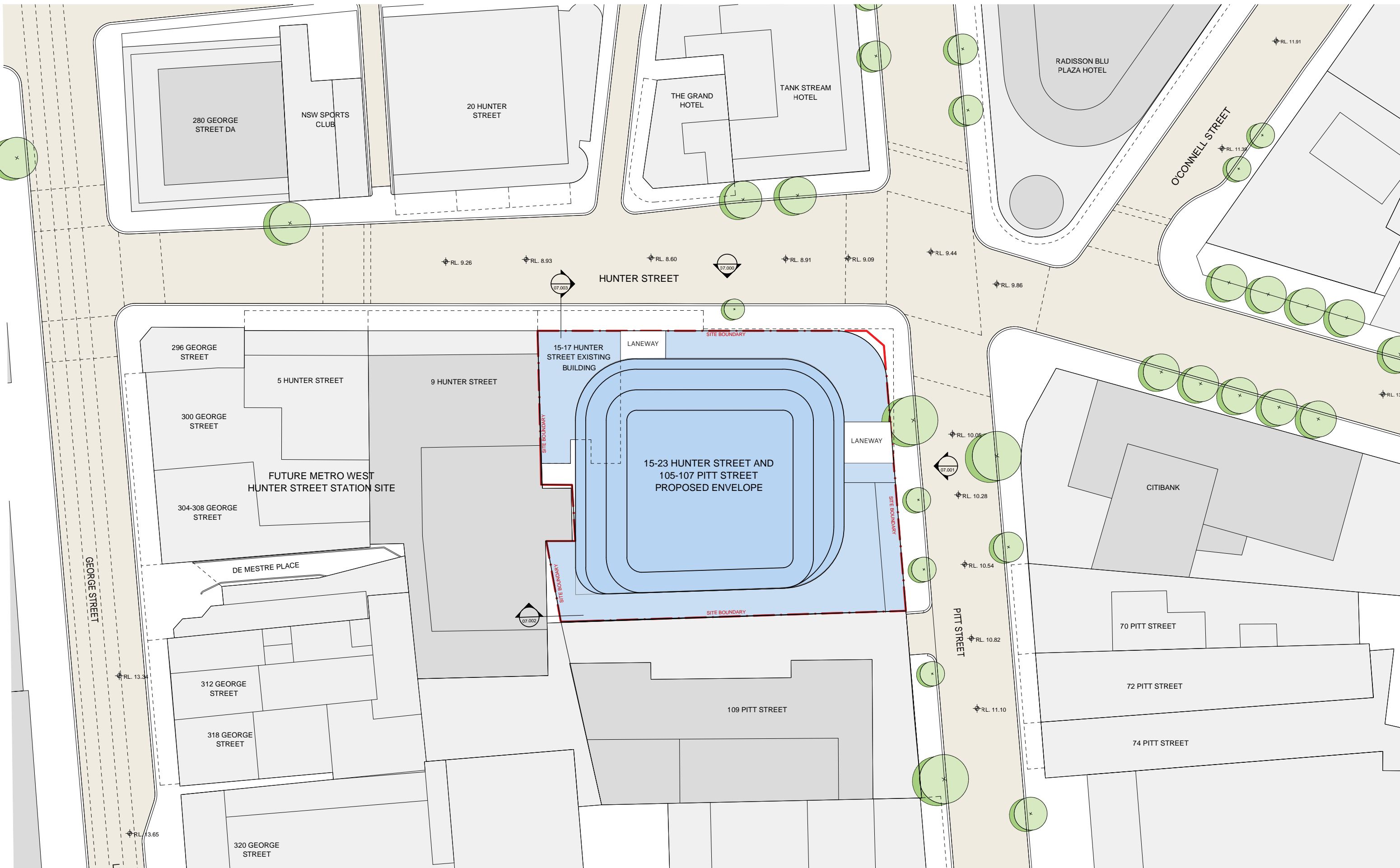
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LEGEND:

- SITE BOUNDARY
- PROPOSED ENVELOPE

ISOLATED STRUCTURE, BUILDING SERVICES ELEMENTS, AND MINOR EXTERIOR FACADE ELEMENTS PERMITTED WITHIN THIS ZONE.



Revision	Date	Description	Initial	Checked
E	22.05.2022	PLANNING PROPOSAL	DS	GL
D	18.03.2022	PLANNING PROPOSAL	DS	GL
C	18.02.2022	PLANNING PROPOSAL	DS	GL
B	28.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

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15-23 Hunter & 105-107 Pitt Street  
Site Plan



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HUNTER STREET

ZONE OF PUNCHED OPENINGS  
FOR PEDESTRIAN MOVEMENT TO  
POTENTIAL METRO CONCOURSE

9 HUNTER STREET  
/ POTENTIAL  
METRO WEST SITE

15-17 HUNTER STREET  
EXISTING THREE STOREY  
BUILDING RETAINED

SITE BOUNDARY

LANEWAY EASEMENT

15-23 HUNTER STREET AND 105-107 PITT STREET  
PROPOSED ENVELOPE

PODIUM  
GROUND LEVEL TO RL. 25.0

SITE BOUNDARY

PITT STREET

SITE BOUNDARY

SITE BOUNDARY

109 PITT STREET

LEGEND:

--- SITE BOUNDARY

PROPOSED  
ENVELOPE

ISOLATED STRUCTURE, BUILDING  
SERVICES ELEMENTS, AND MINOR  
EXTERIOR FACADE ELEMENTS  
PERMITTED WITHIN THIS ZONE.

Revision	Date	Description	Initial	Checked
D	18.03.2022	PLANNING PROPOSAL	DS	GL
C	18.02.2022	PLANNING PROPOSAL	DS	GL
B	26.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

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15-23 Hunter & 105-107 Pitt Street  
Envelope Plan  
Podium Lower



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Drawing No.	DA03.001	[Revision]	D

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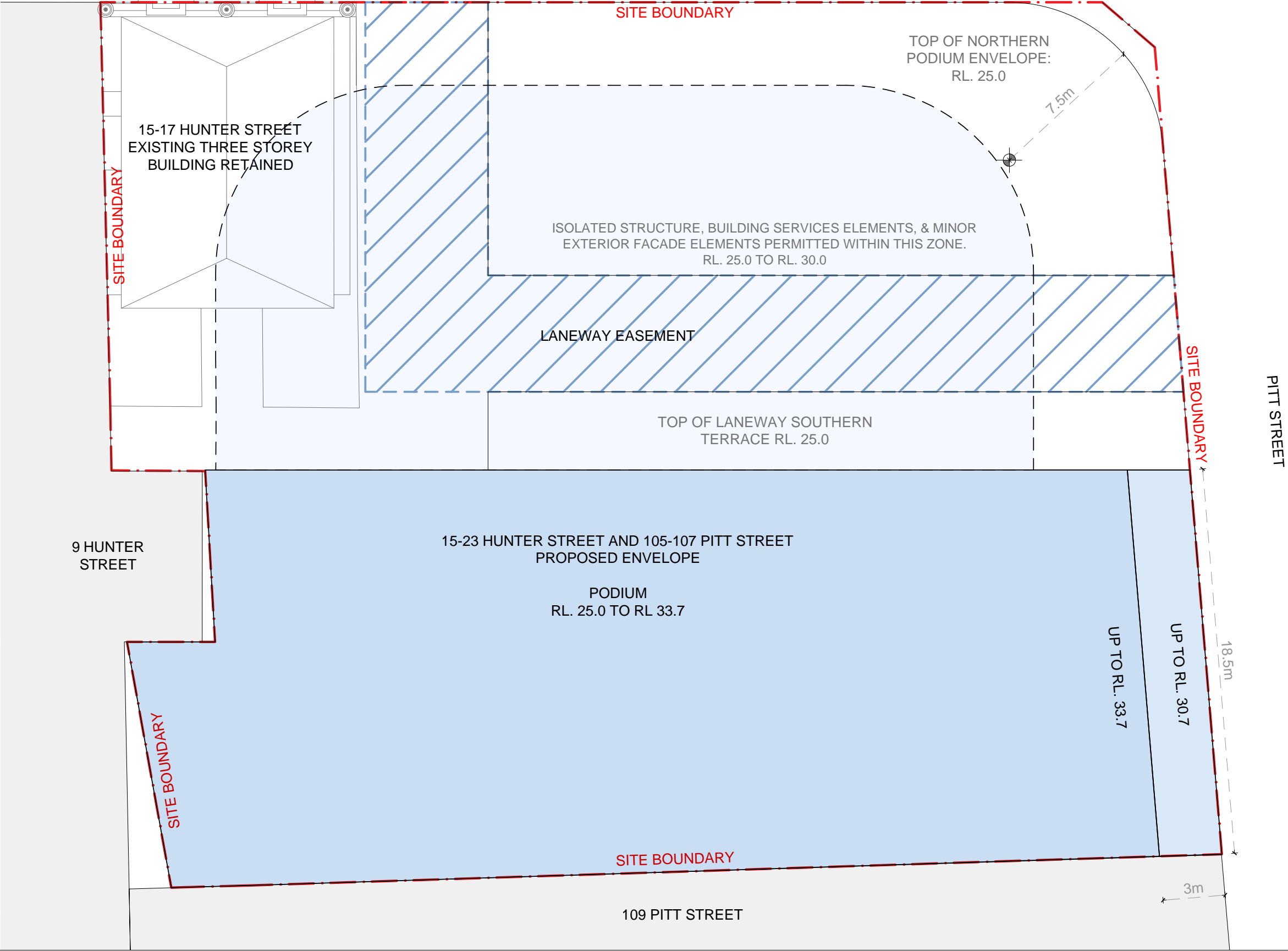
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BATESSMART



HUNTER STREET



LEGEND:

- SITE BOUNDARY
- PROPOSED ENVELOPE
- ISOLATED STRUCTURE, BUILDING SERVICES ELEMENTS, AND MINOR EXTERIOR FACADE ELEMENTS PERMITTED WITHIN THIS ZONE.

Revision	Date	Description	Initial	Checked
E	22.05.2022	PLANNING PROPOSAL	DS	GL
D	18.03.2022	PLANNING PROPOSAL	DS	GL
C	18.02.2022	PLANNING PROPOSAL	DS	GL
B	26.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street

Envelope Plan  
Podium Upper



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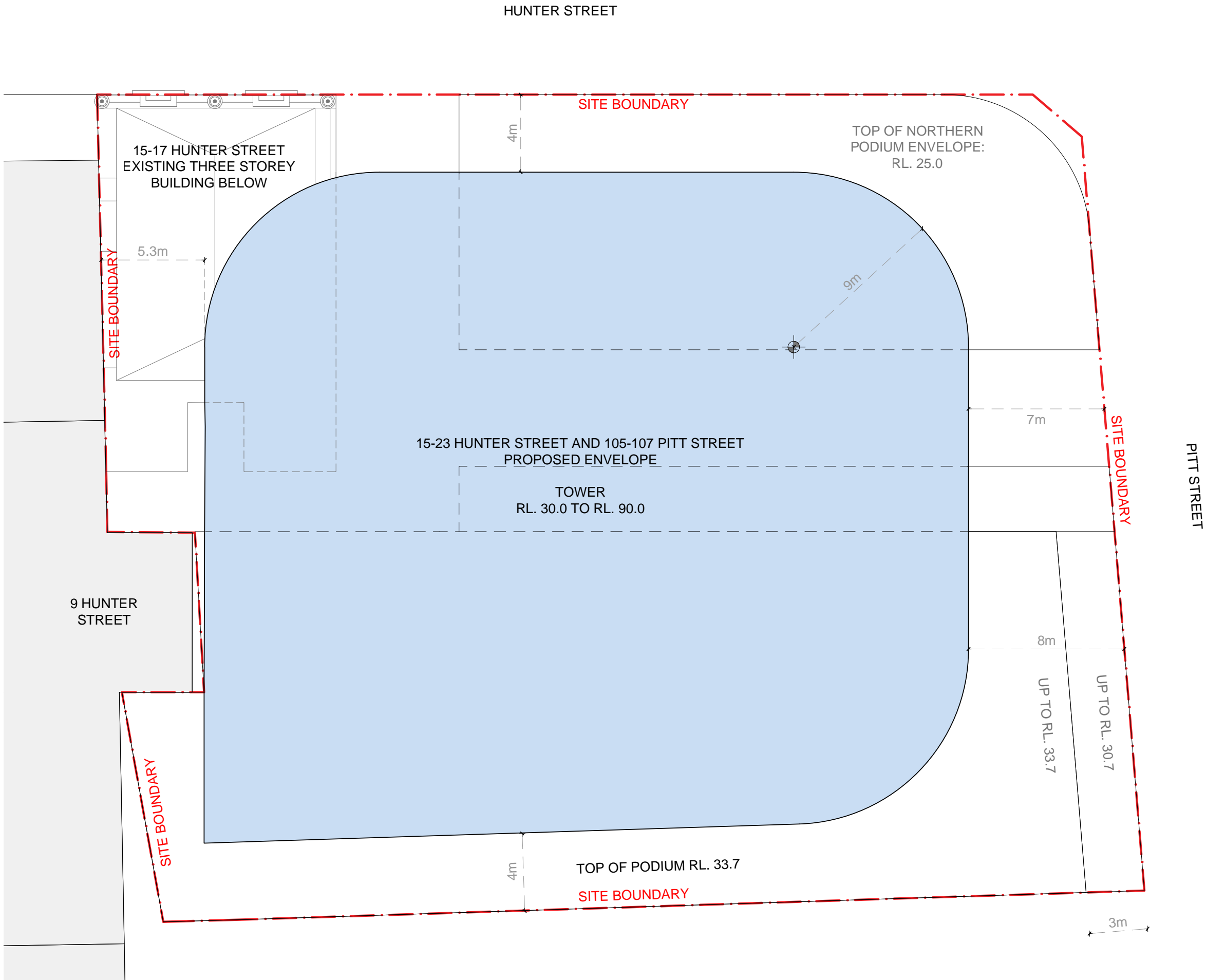
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LEGEND:

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Revision	Date	Description	Initial	Checked
E	22.05.2022	PLANNING PROPOSAL	DS	GL
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C	18.02.2022	PLANNING PROPOSAL	DS	GL
B	26.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope Plan  
RL 30.0 to RL 90.0



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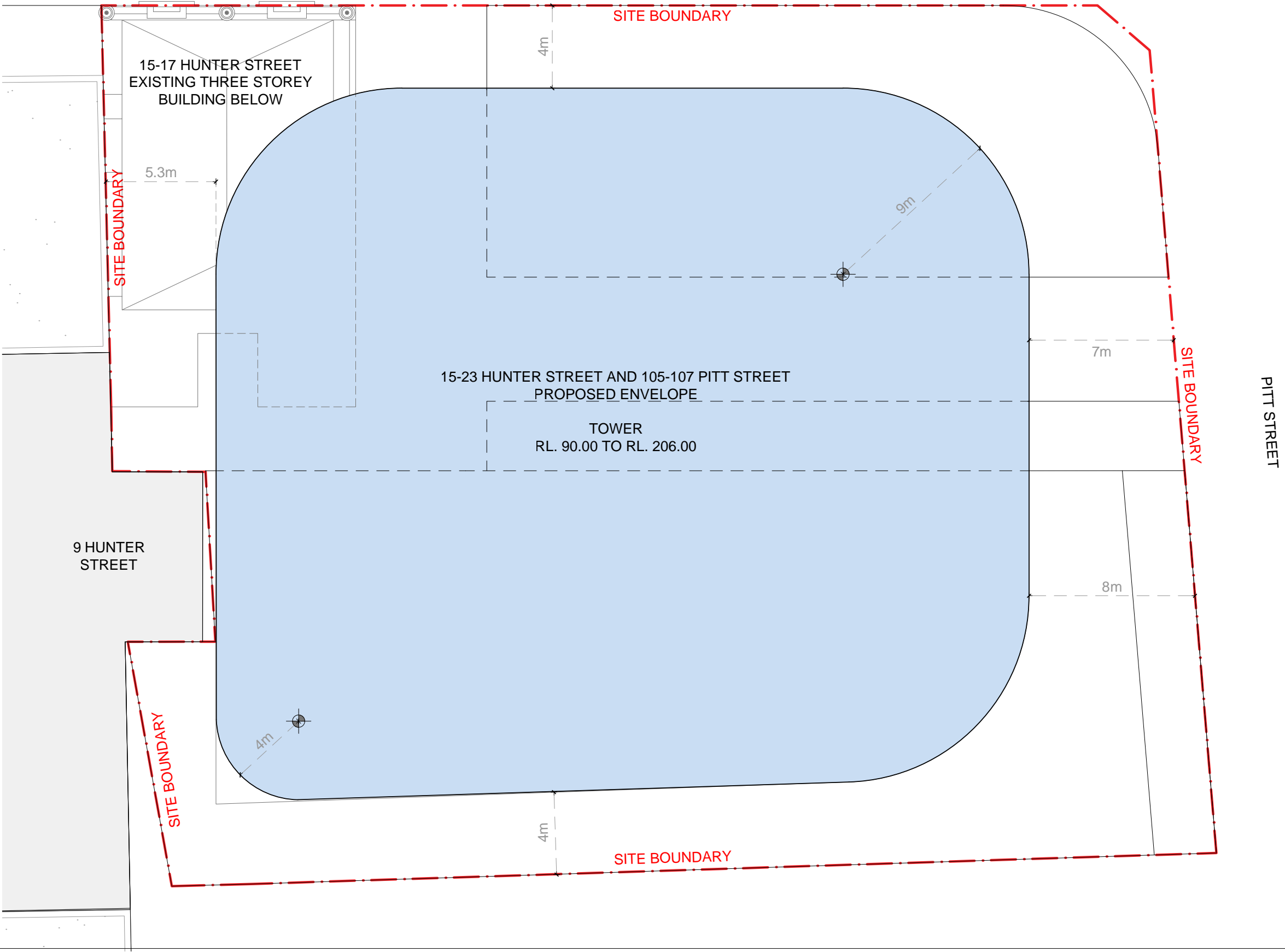
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HUNTER STREET



PITT STREET

LEGEND:

- - - SITE BOUNDARY
- PROPOSED ENVELOPE
- ISOLATED STRUCTURE, BUILDING SERVICES ELEMENTS, AND MINOR EXTERIOR FACADE ELEMENTS PERMITTED WITHIN THIS ZONE.

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B	28.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope Plan  
RL 90.0 to RL 206.0



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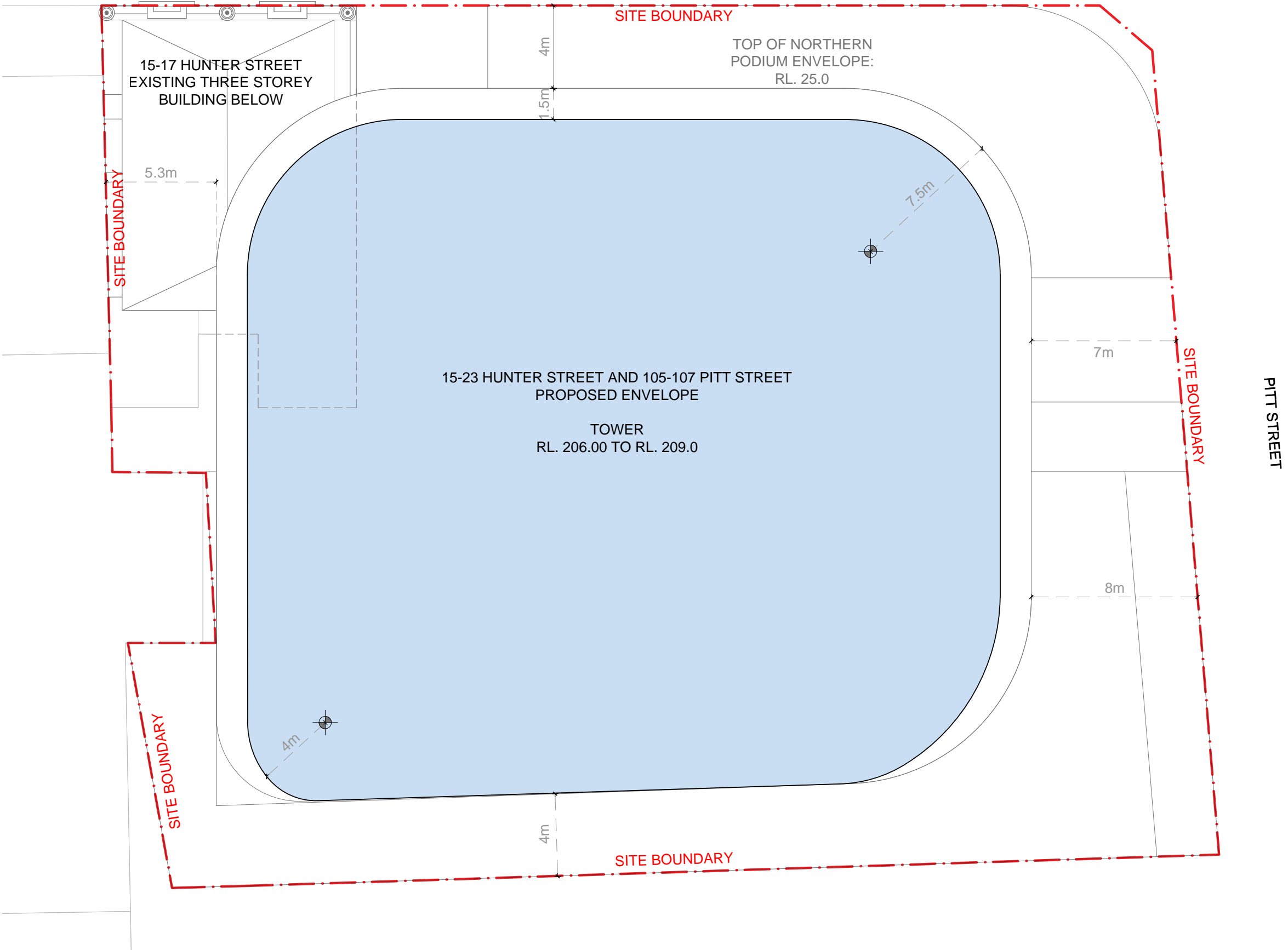
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HUNTER STREET



LEGEND:

- SITE BOUNDARY
- PROPOSED ENVELOPE
- ISOLATED STRUCTURE, BUILDING SERVICES ELEMENTS, AND MINOR EXTERIOR FACADE ELEMENTS PERMITTED WITHIN THIS ZONE.

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B	26.10.2021	PLANNING PROPOSAL	SH	DS/GL
A	31.07.2020	INFORMAL LODGEMENT	EOS	DS/GL

MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope Plan  
RL 206.0 to RL 209.0



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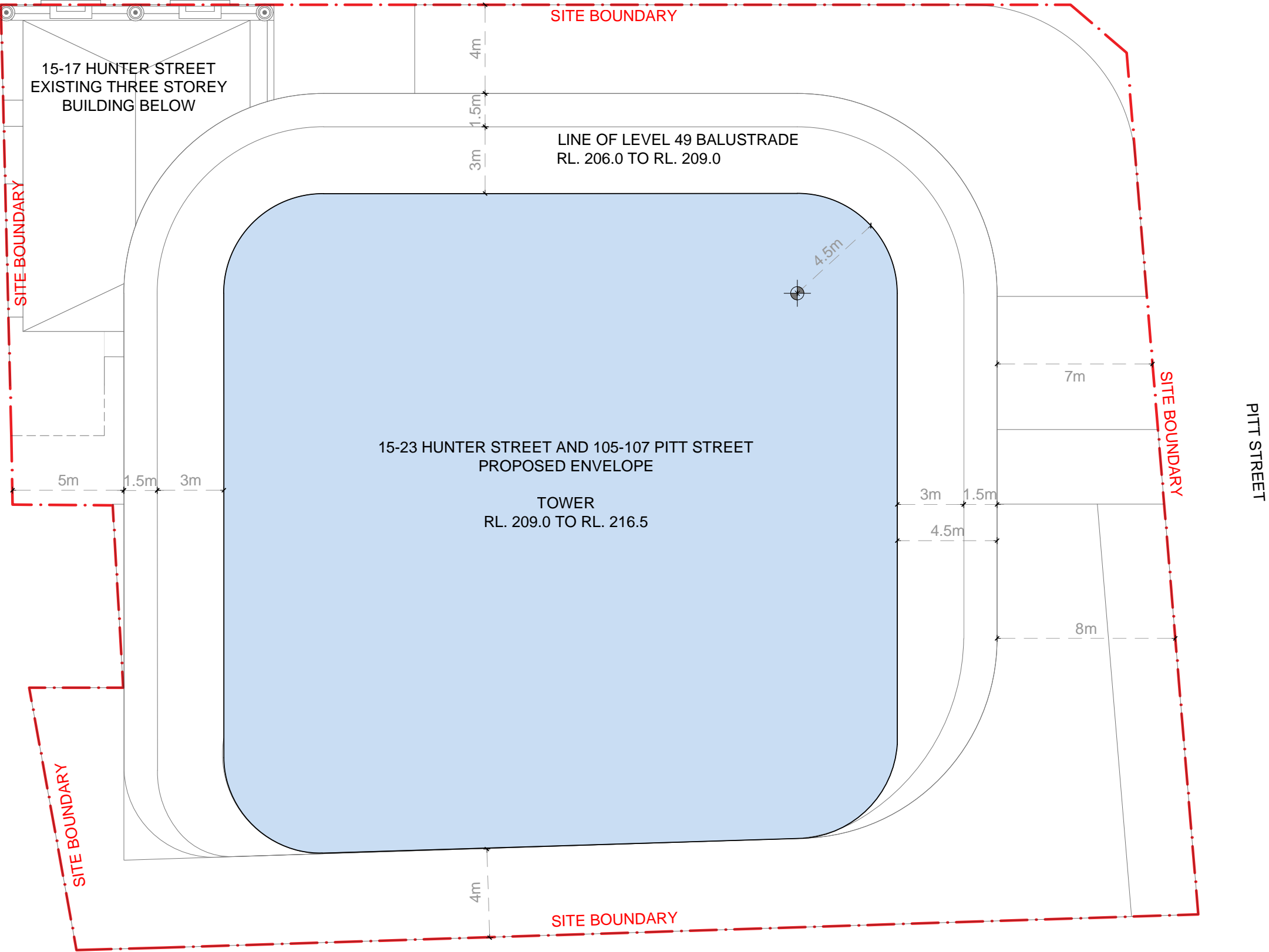
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HUNTER STREET



LEGEND:

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MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope Plan  
RL 209.0 to RL 216.5



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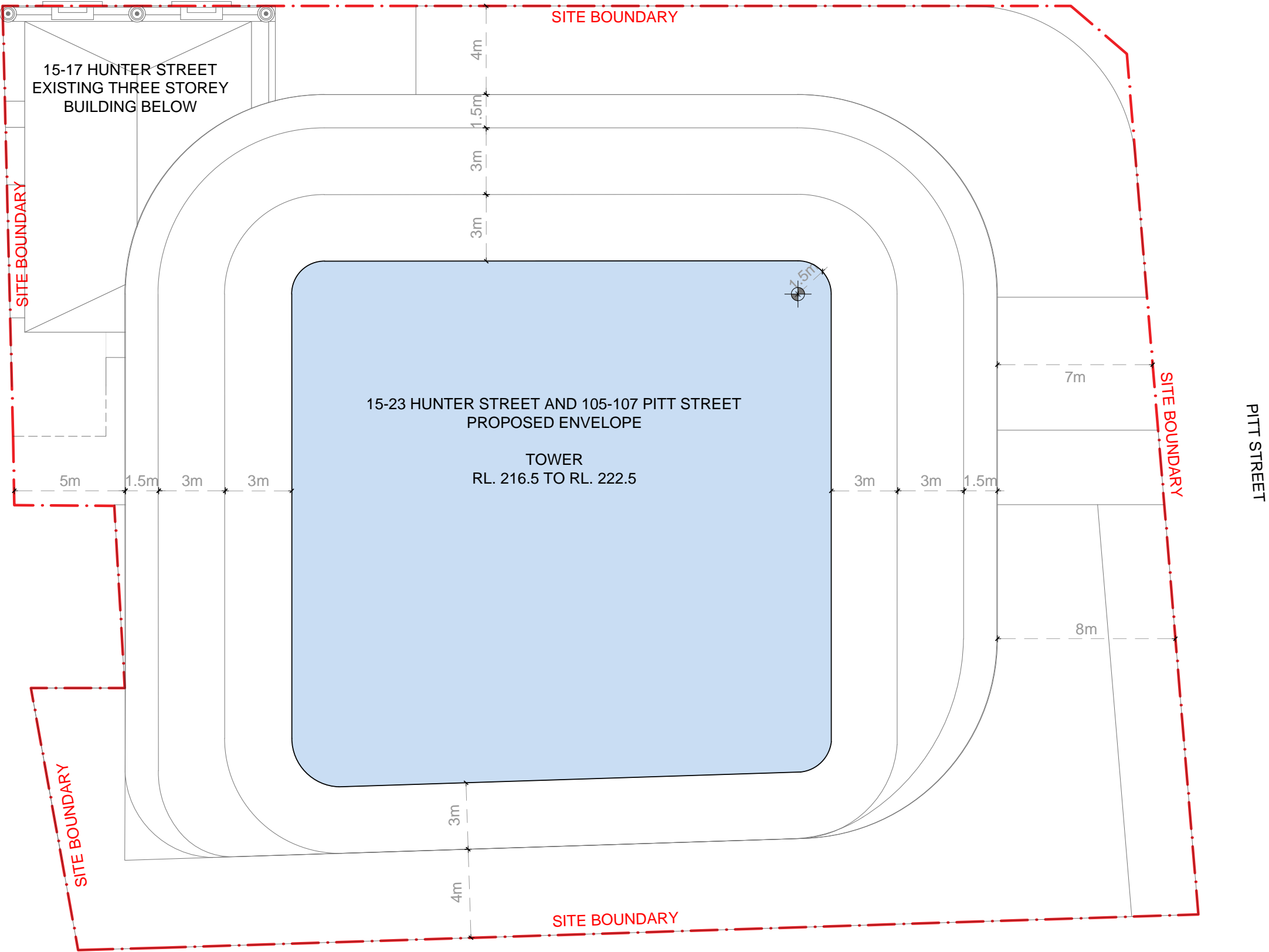
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HUNTER STREET



PITT STREET

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MILLIGAN GROUP  
15-23 Hunter & 105-107 Pitt Street  
Envelope Plan  
RL 216.5 to RL 222.5



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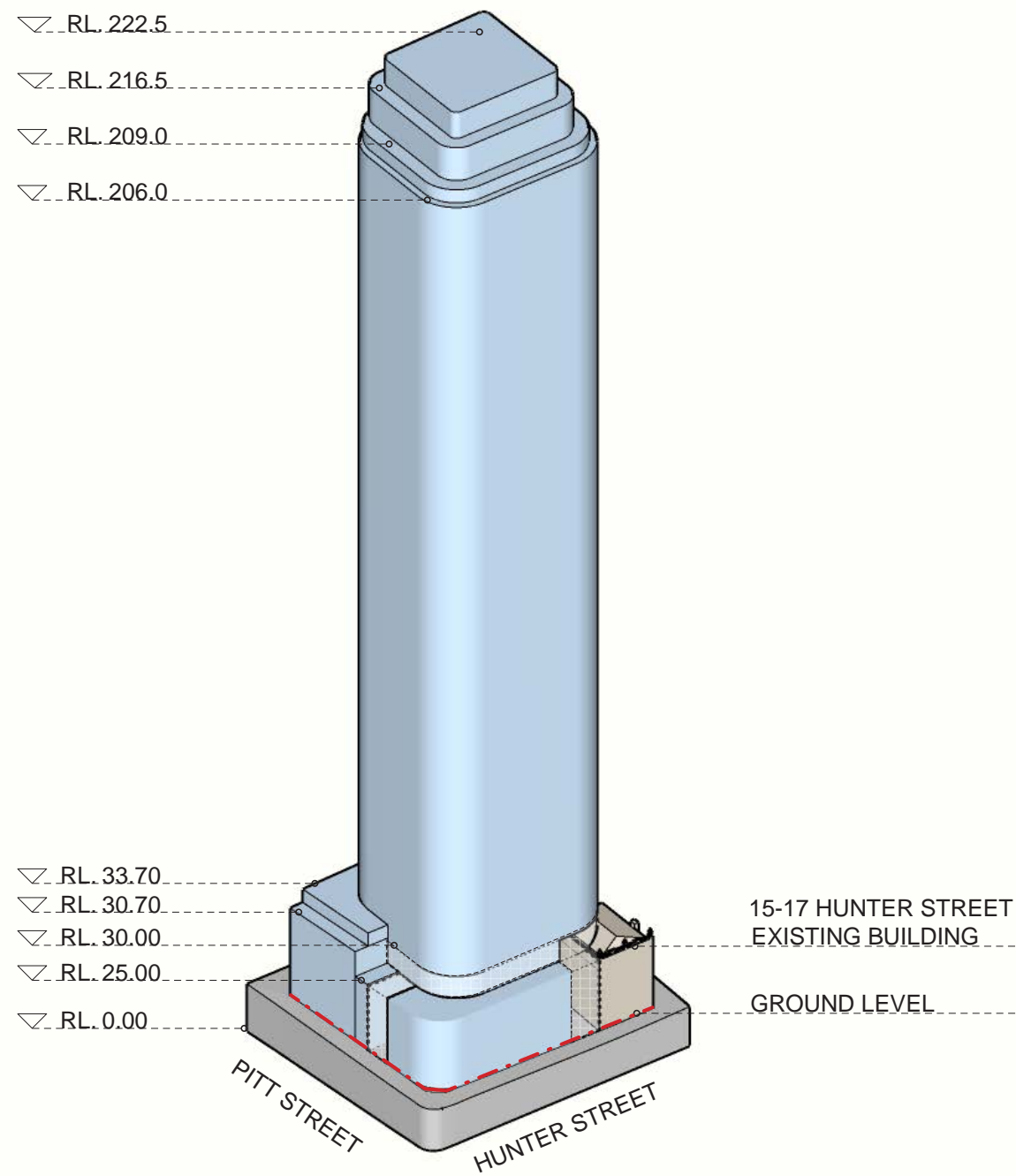
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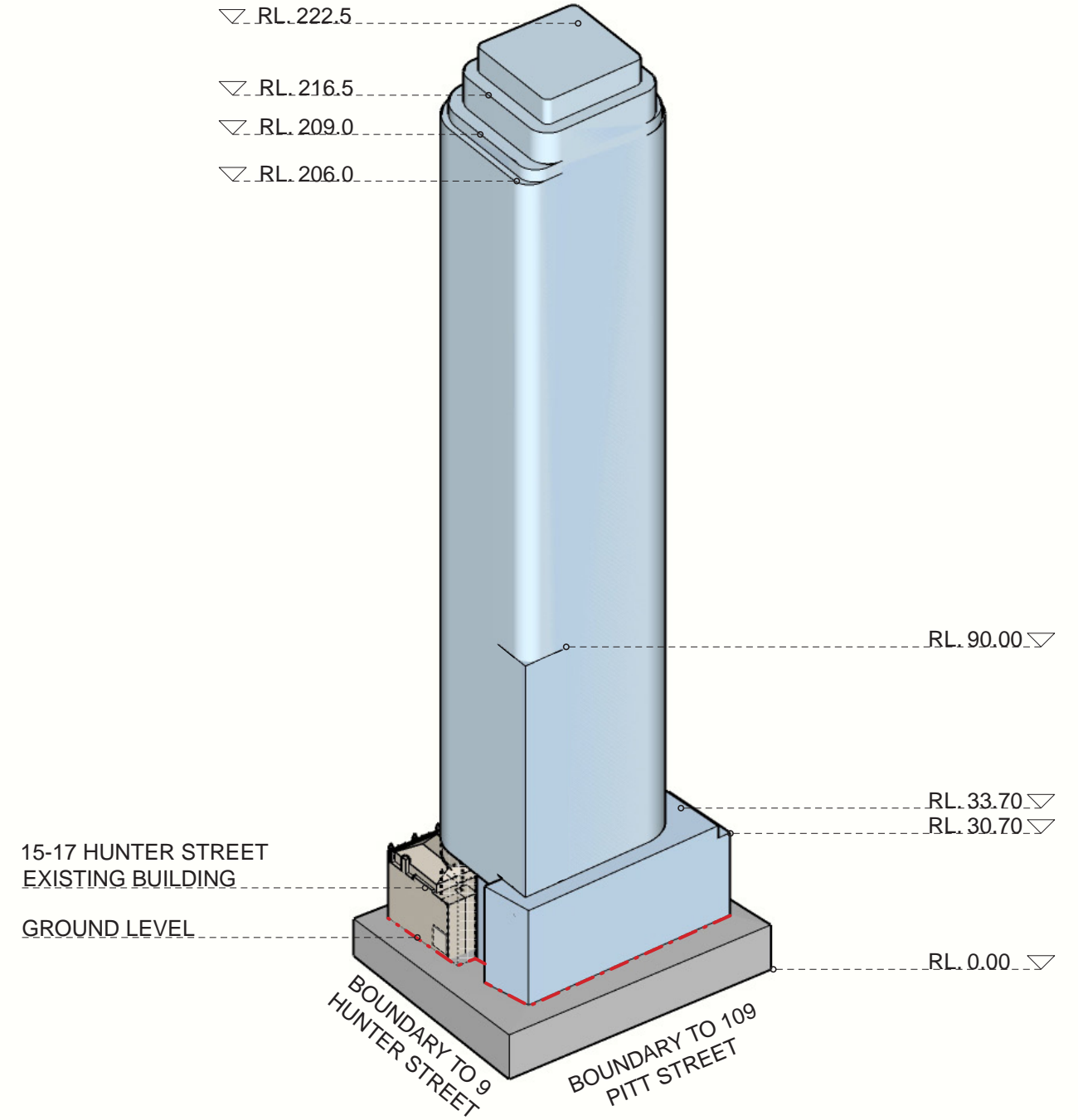
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NORTH EAST VIEW



SOUTH WEST VIEW

LEGEND:

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- PROPOSED ENVELOPE
- PROPOSED LANEWAY EASEMENT

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Envelope Isometric View

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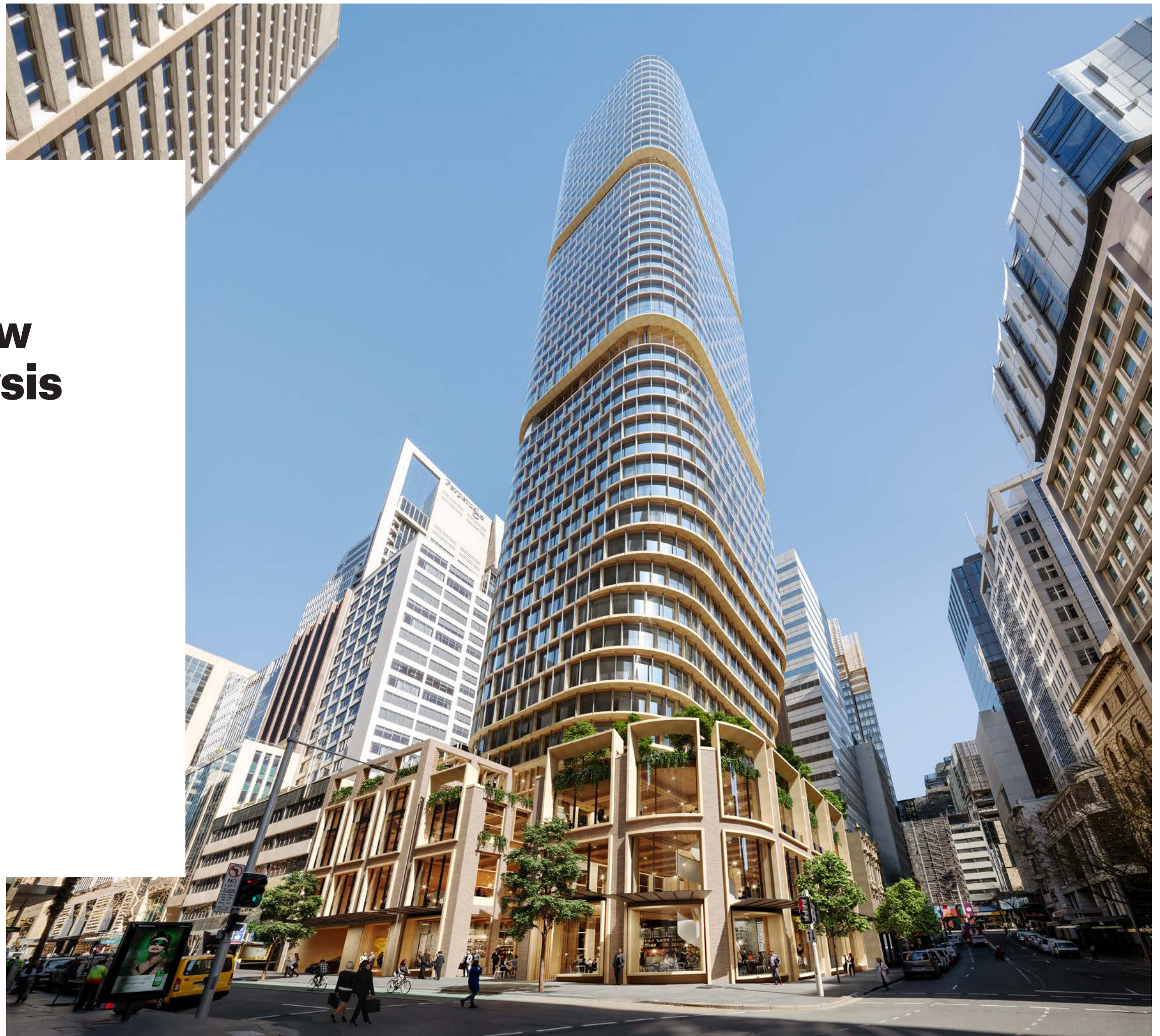
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**7.0**

## **Envelope View Impact Analysis**

15-23 Hunter Street and  
105-107 Pitt Street Sydney





# 7.1

## View Impact Analysis

The Sydney Development Control Plan identifies several key views from within Central Sydney that new development should not encroach on, as outlined in the Public Views Protection Map. The view corridor along Pitt Street to Sydney Harbour runs adjacent to our site.

The following view impact analysis has been undertaken to demonstrate that the proposed envelope does not obstruct the view down Pitt Street to Sydney Harbour.

**See APPENDIX A for additional comparative pedestrian view analysis.**

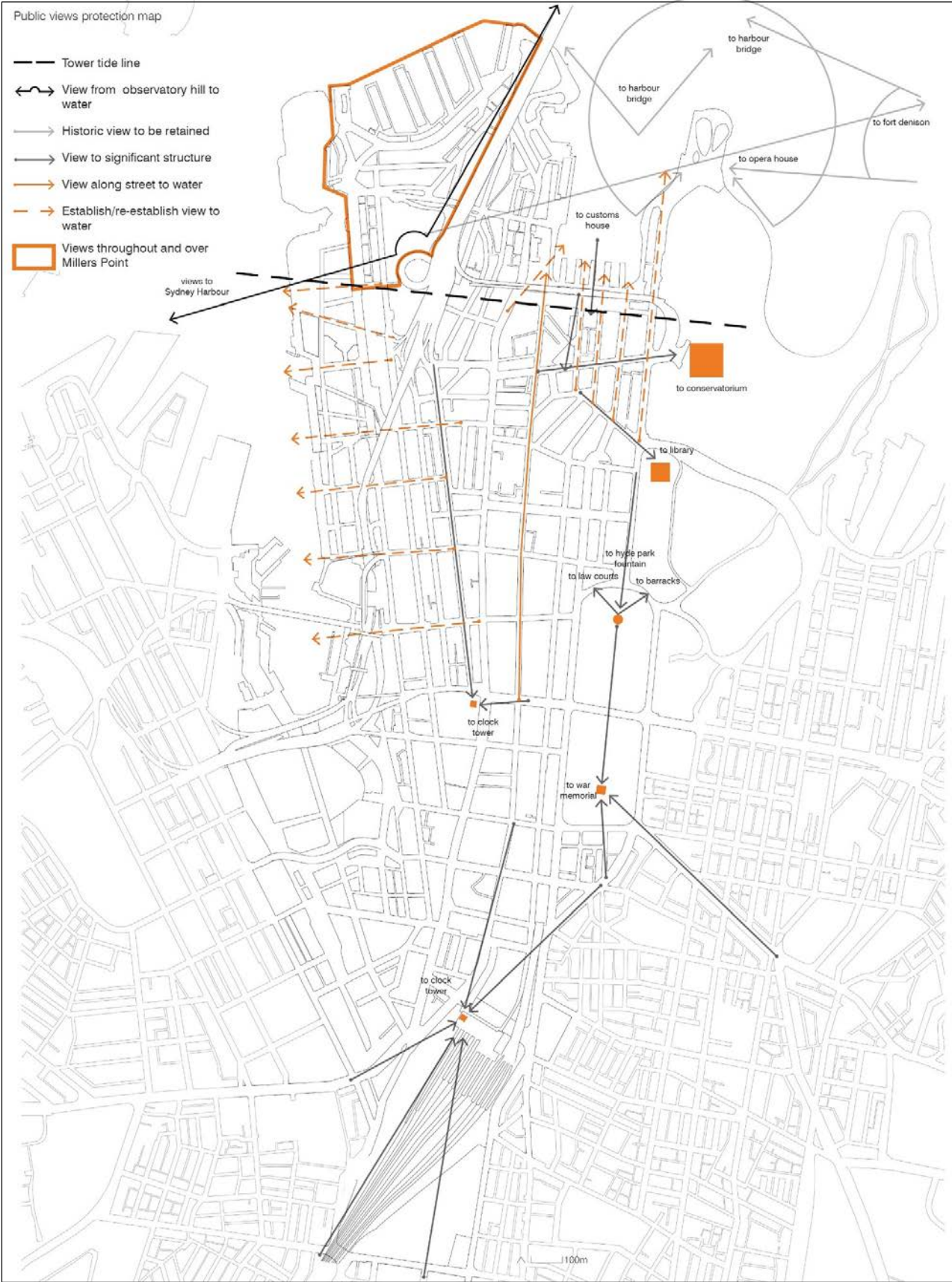


Figure 5.44: Public Views Protection Map 2

Image source: Sydney DCP 2012 - Central Sydney Planning Review Amendment Section 5.1.8 - Views from Public Places



PITT STREET CORRIDOR - VIEW 1

Model view from King Street looking north down Pitt Street.

The proposed envelope does not obstruct the view corridor down Pitt Street. The crown of the tower is visible above adjacent buildings and a clear view of the Sydney Harbour Bridge is retained.

KEY PLAN

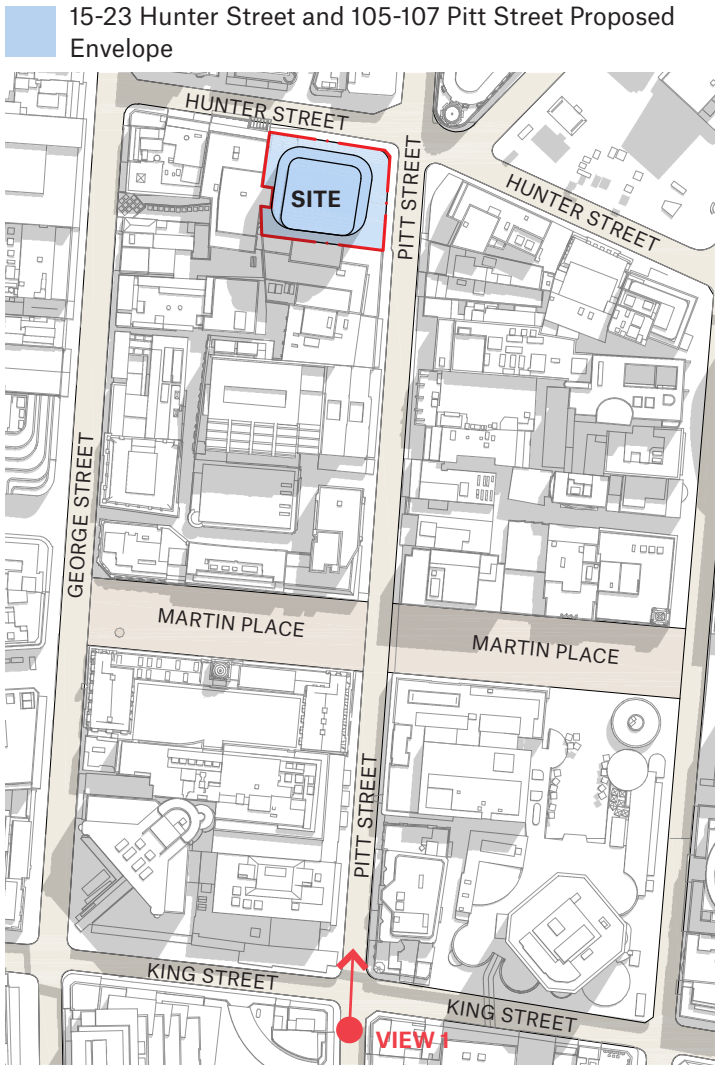


Image source: Bates Smart



Proposed envelope coloured blue in view studies.



PITT STREET CORRIDOR - VIEW 2

Model view from Martin Place looking north down Pitt Street.

The proposed envelope has a minimal impact on the existing view and does not obstruct the view corridor down Pitt Street. A small proportion of the tower and podium is visible amongst the surrounding context.

KEY PLAN

15-23 Hunter Street and 105-107 Pitt Street Proposed Envelope

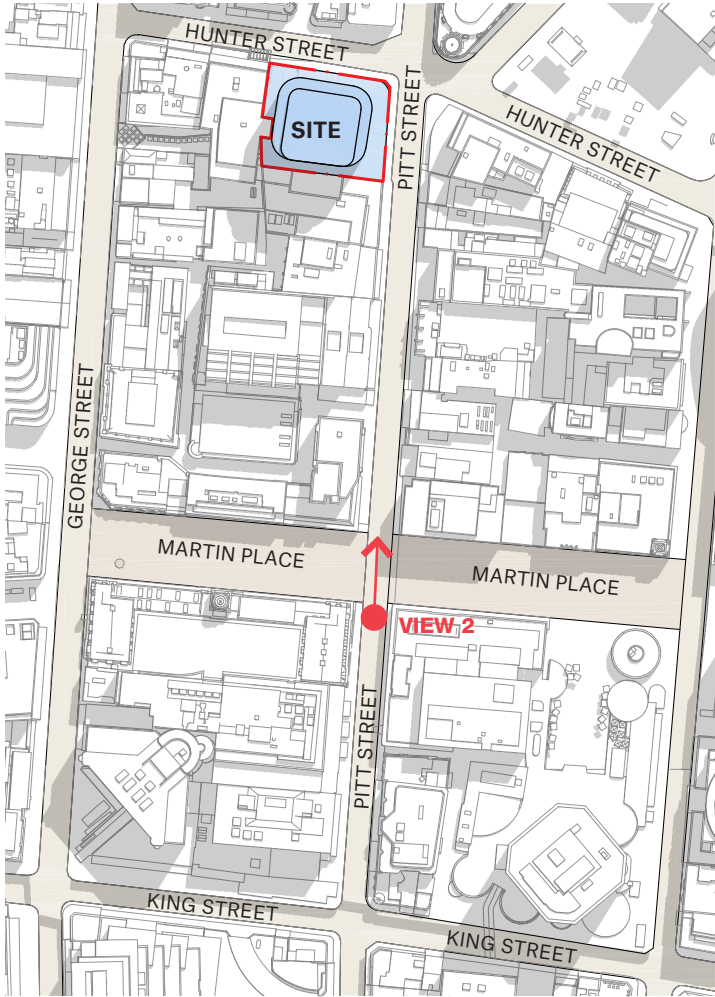


Image source: Bates Smart



Proposed envelope coloured blue in view studies.



PITT STREET CORRIDOR - VIEW 3

Model view from Angel Place looking north down Pitt Street.

The proposed envelope does not obstruct the view corridor along Pitt Street. The podium massing relates to the adjacent built context and the tower creates a relatively small impact on the proportion of sky visible.

KEY PLAN

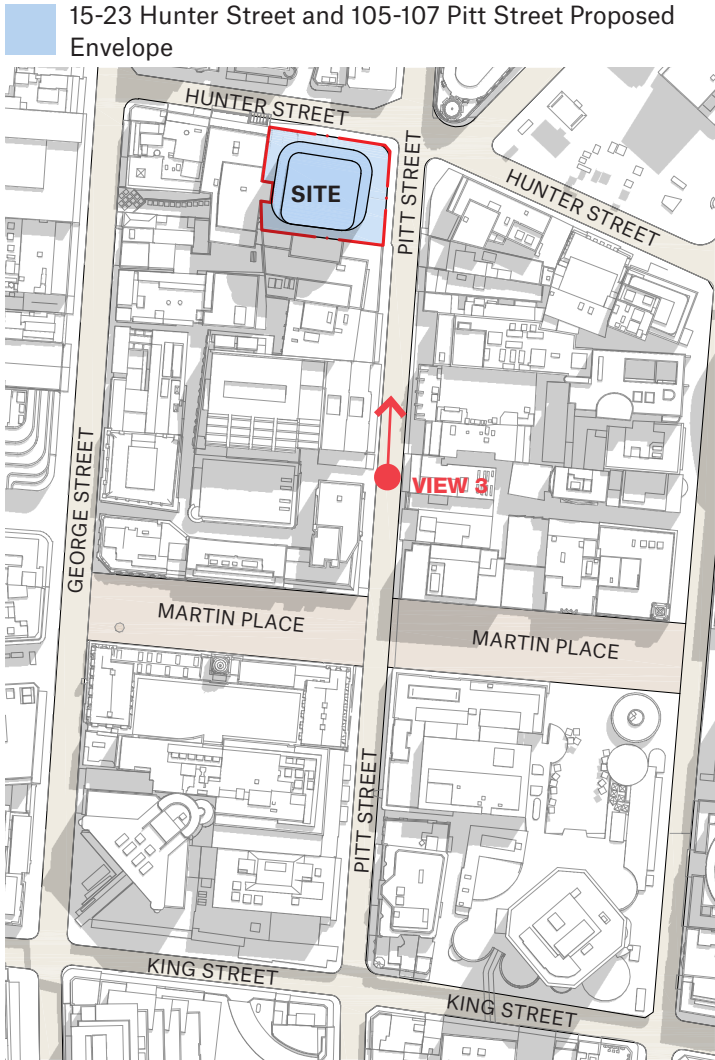
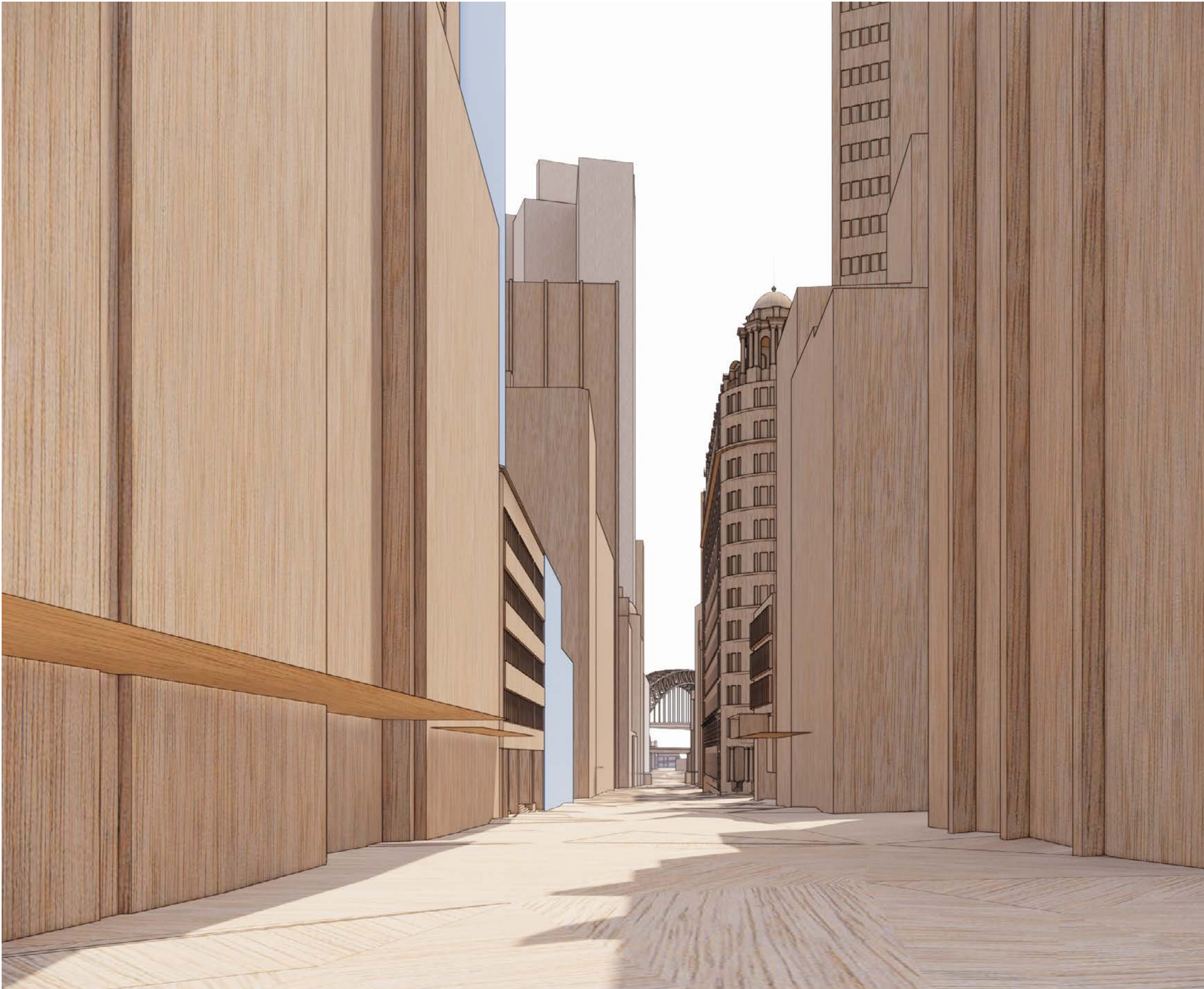


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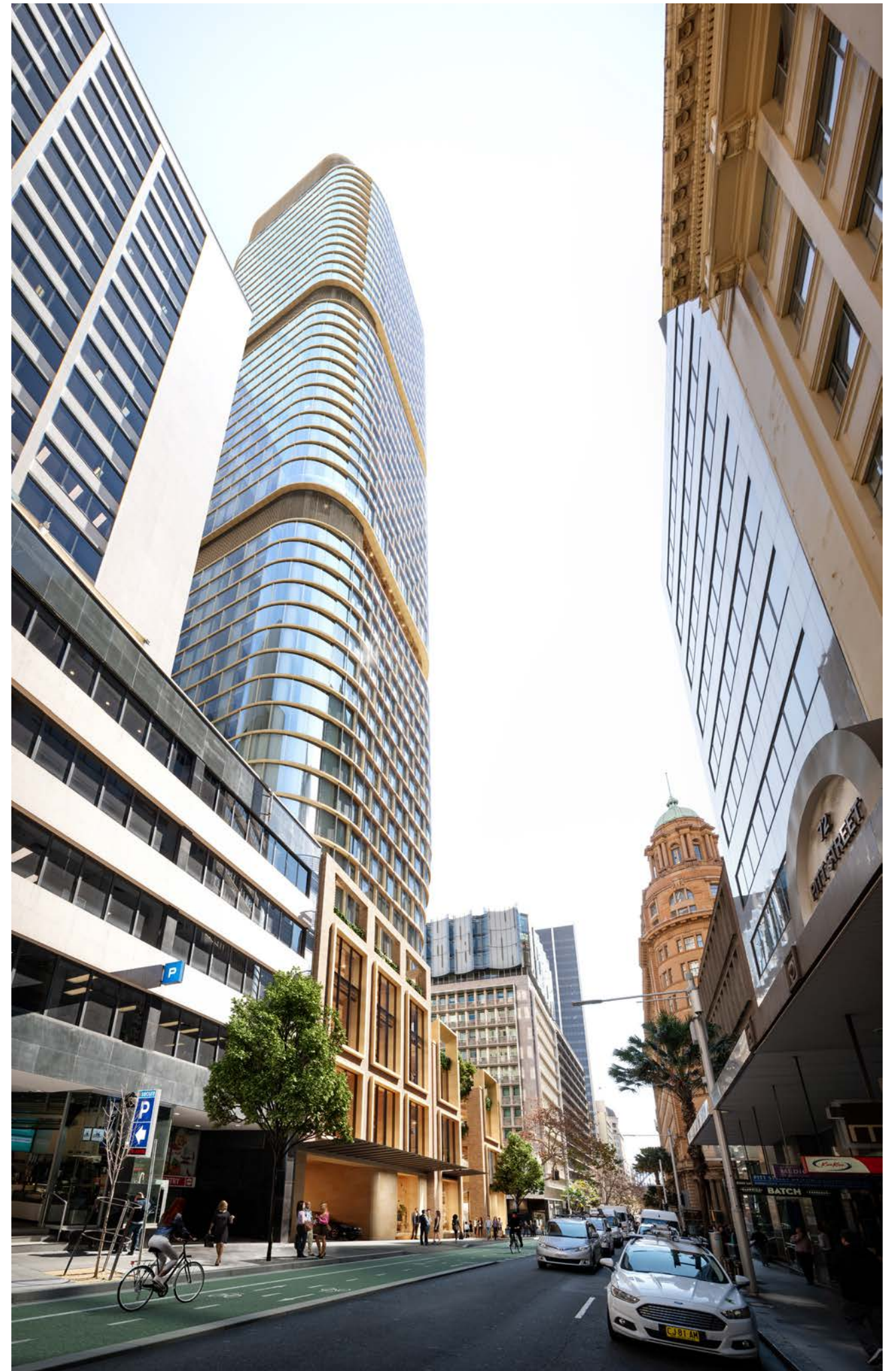
Proposed envelope coloured blue in view studies.



8.0

# Envelope Solar Analysis

15-23 Hunter Street and  
105-107 Pitt Street Sydney





## 8.1 Overshadowing Analysis

The proposed envelope complies with clause 6.19 of the Sydney Local Environmental Plan (LEP) 2012 and has been designed to prevent additional overshadowing to public places specified in the plan.

The only location outlined in the LEP that the subject site could impact upon is Martin Place, between George Street and Pitt Street.

An LEP Objective requests that no new development may cause additional overshadowing to Martin Place between the hours of 12pm and 2pm from 14th April to 31st August.

The following shadow impact analysis has been undertaken on 14th April and 31st August at the above specified times to demonstrate the compliance of the proposed envelope, noting that the intended period of protection is outside the winter months. We have also included a worst case analysis on the 21st of June.

The analysis takes into consideration all existing site context as well as built forms that have been granted development consent. These include:

/ 20 O'Connell Street DA

/ Martin Place Metro North DA

/ Wynyard Place DA

Image source: Bates Smart





14<sup>TH</sup> APRIL - OVERSHADOWING ANALYSIS

KEY

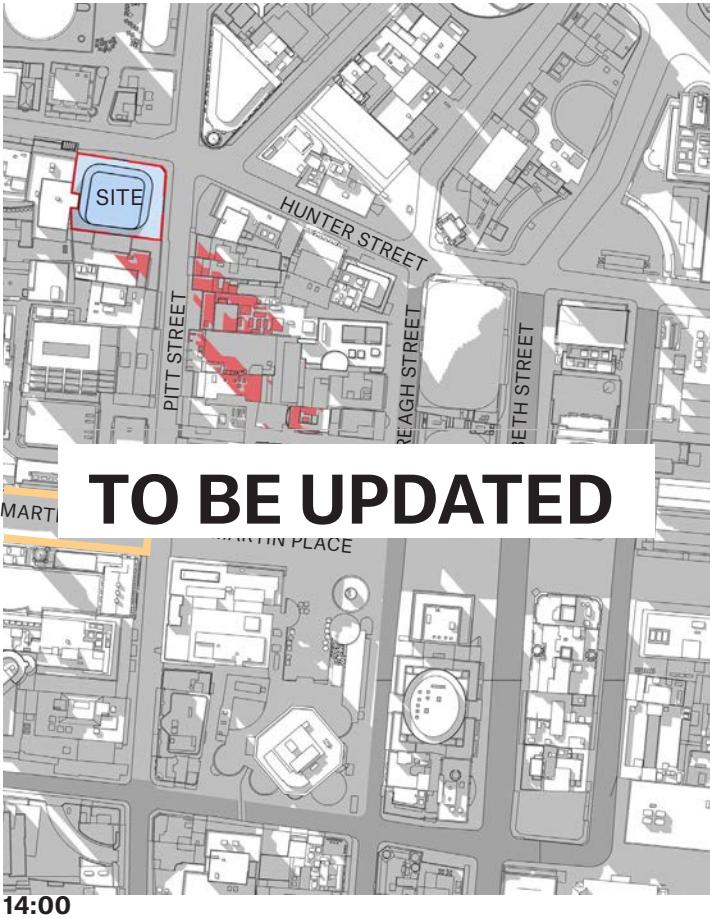
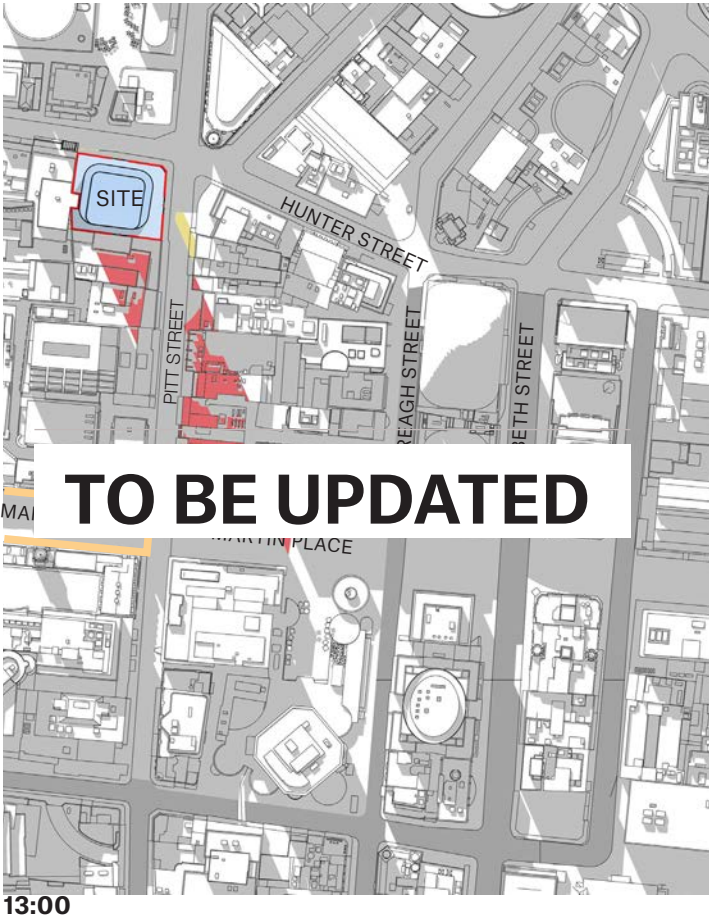
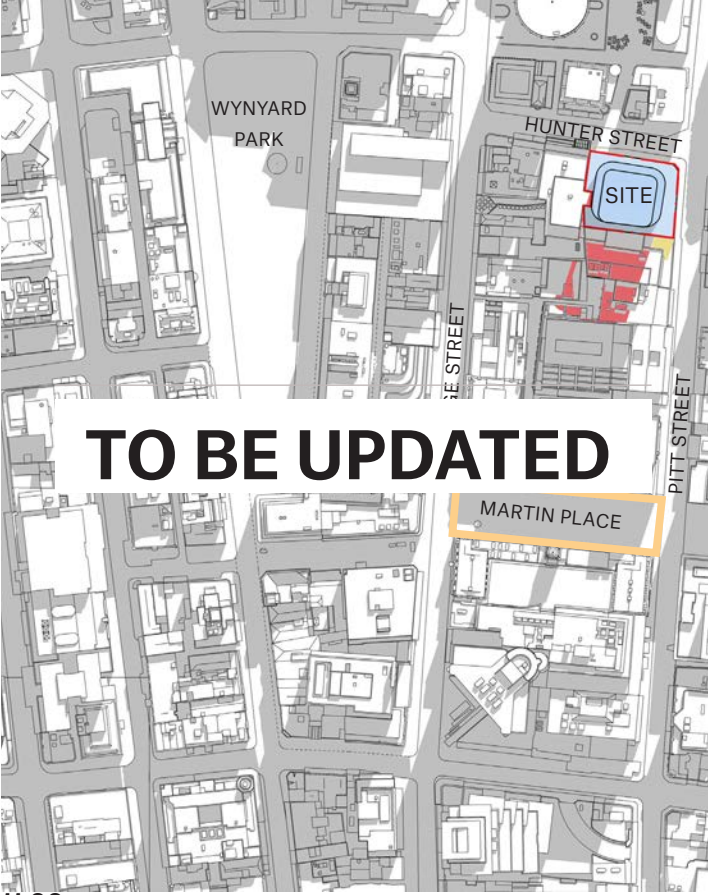
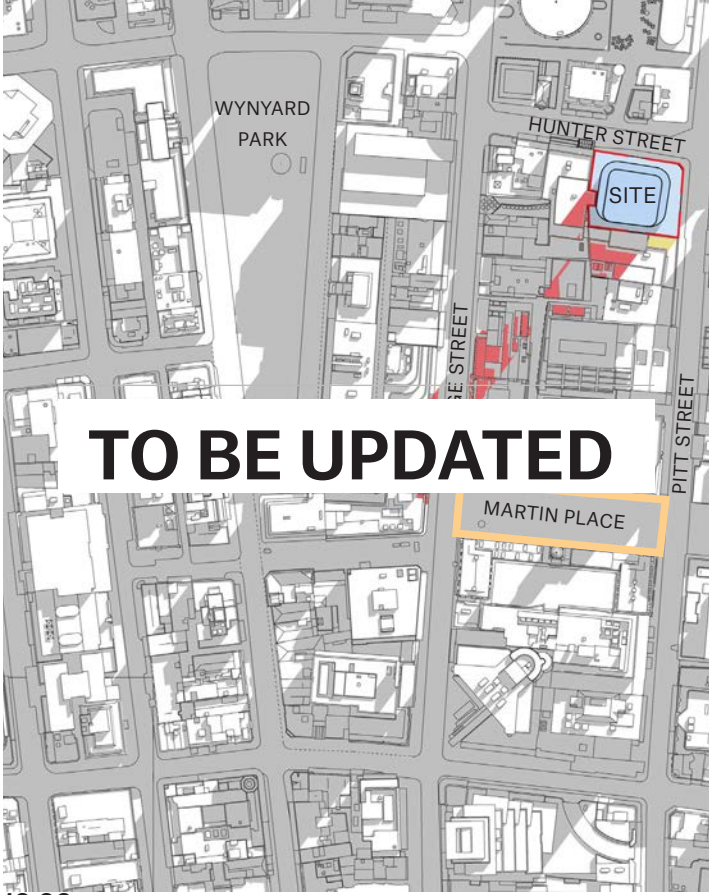
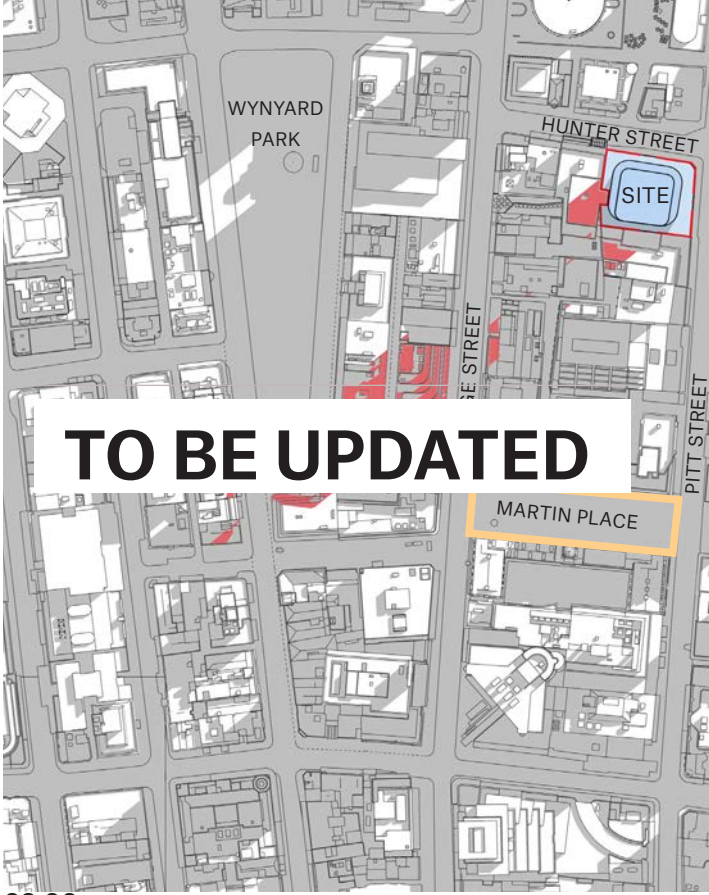
15-23 Hunter Street and 105-107 Pitt Street Proposed Envelope

Additional Overshadowing

Reduced Overshadowing

Locations requiring no additional overshadowing as per Sydney LEP 2012

Image source: Bates Smart, created using a 3d city model provided under license from AAM Group



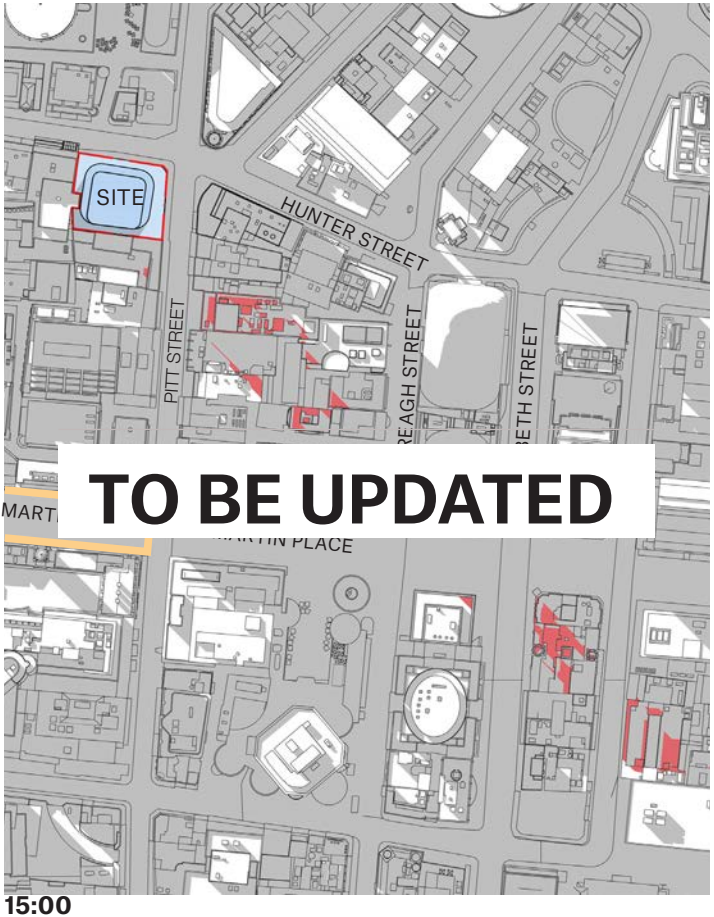
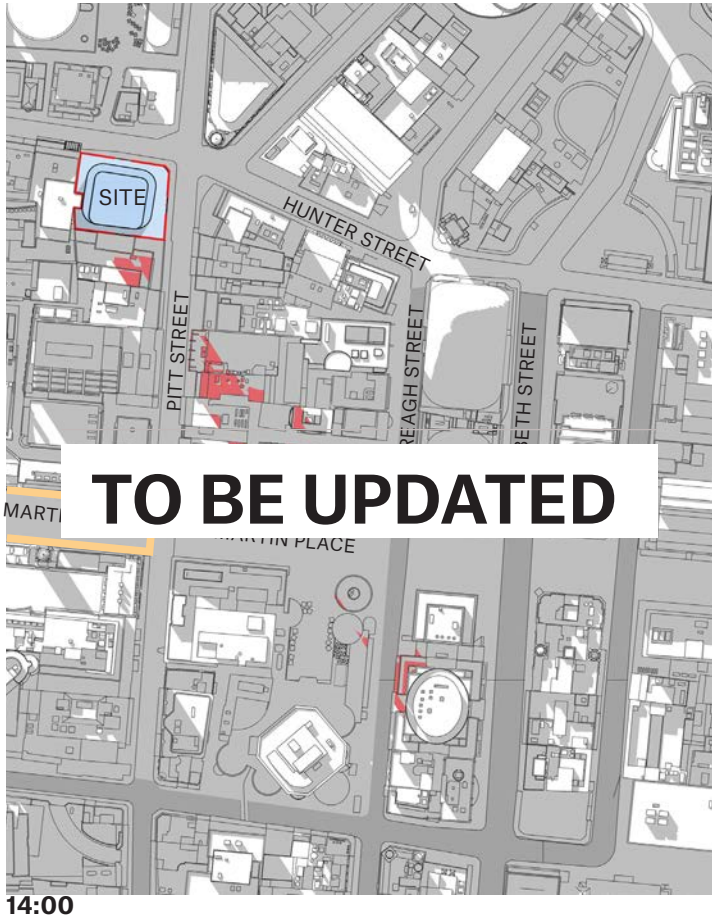
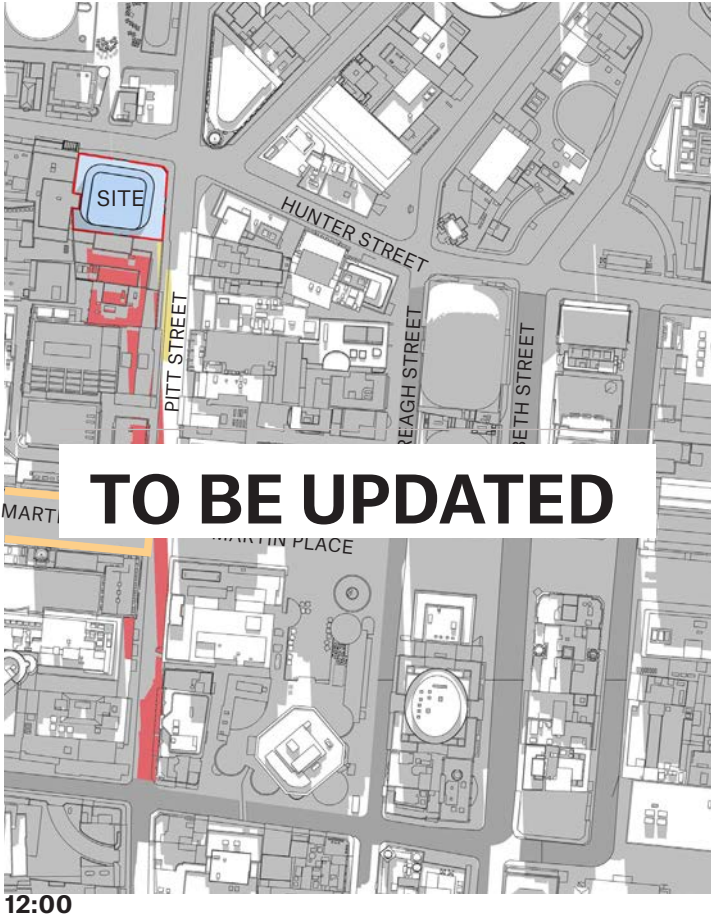
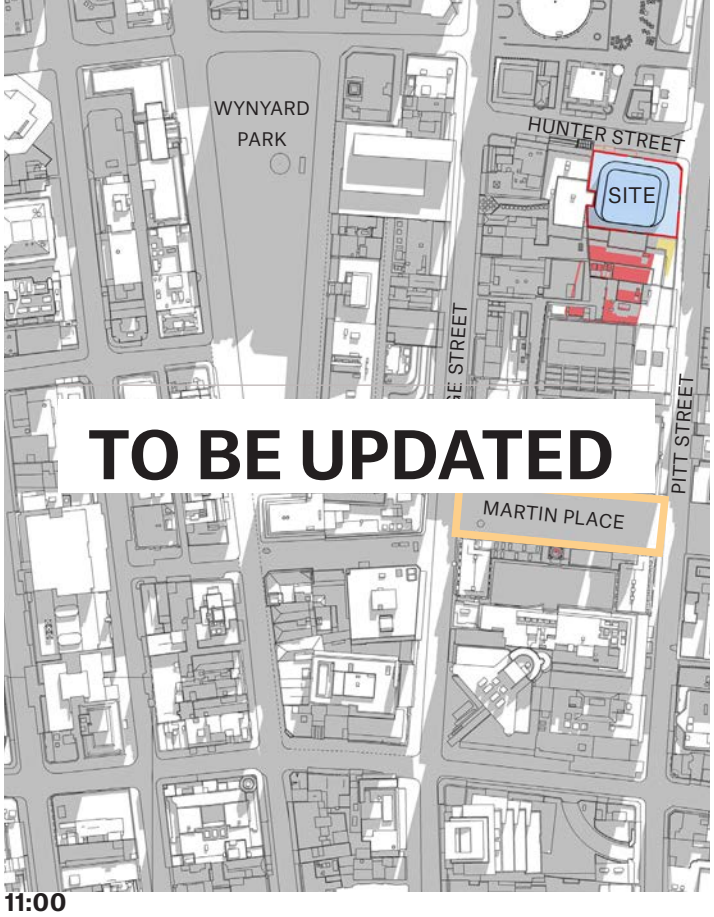
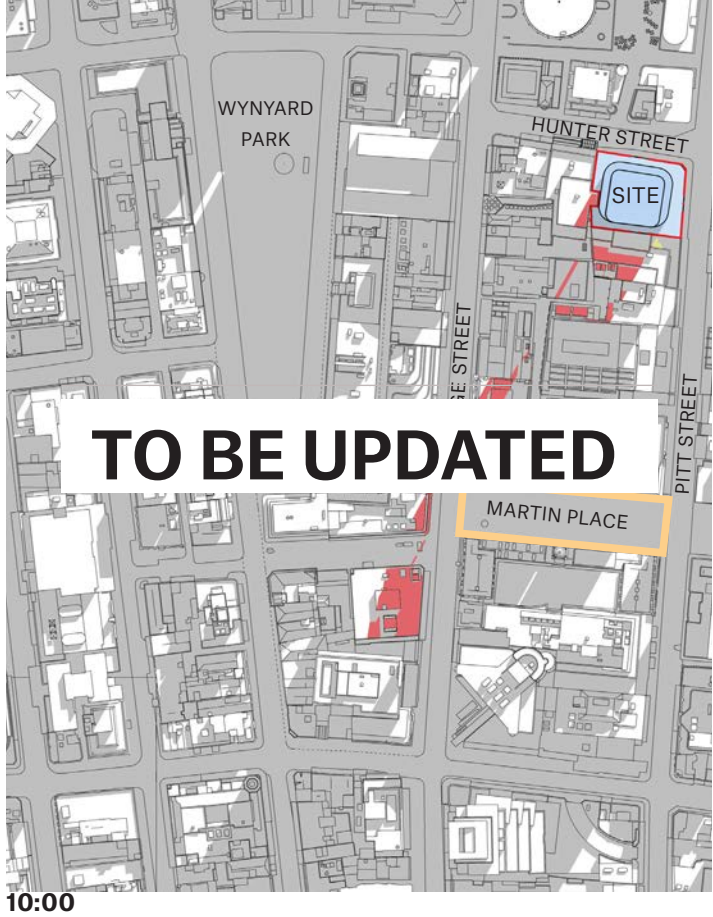
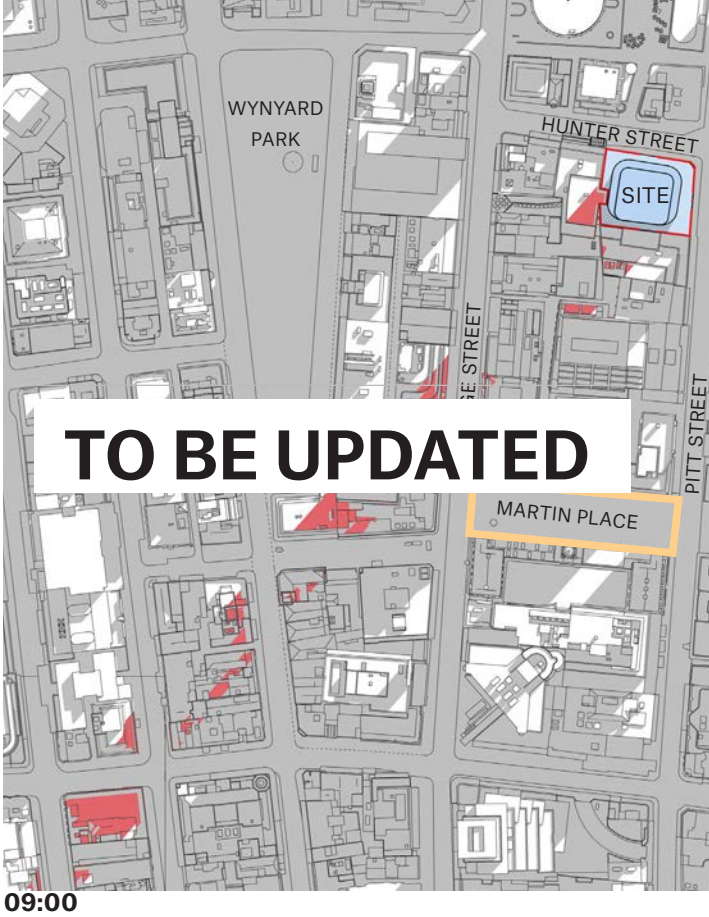


14<sup>TH</sup> APRIL - OVERSHADOWING ANALYSIS

KEY

- 15-23 Hunter Street and 105-107 Pitt Street Proposed Envelope
- Additional Overshadowing
- Reduced Overshadowing
- Locations requiring no additional overshadowing as per Sydney LEP 2012

Image source: Bates Smart, created using a 3d city model provided under license from AAM Group





14<sup>TH</sup> APRIL - OVERSHADOWING ANALYSIS

KEY

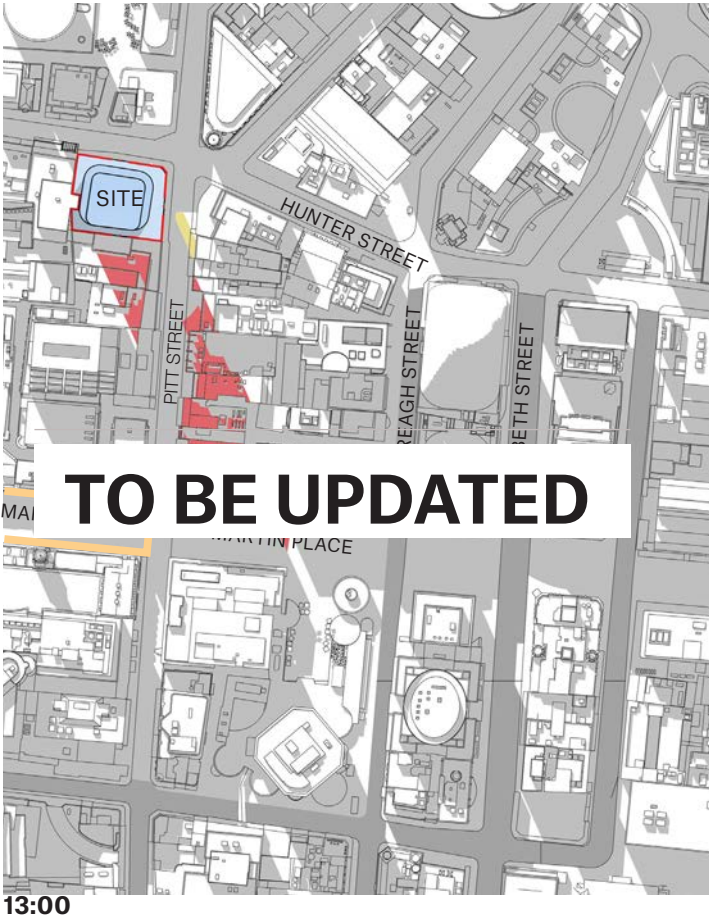
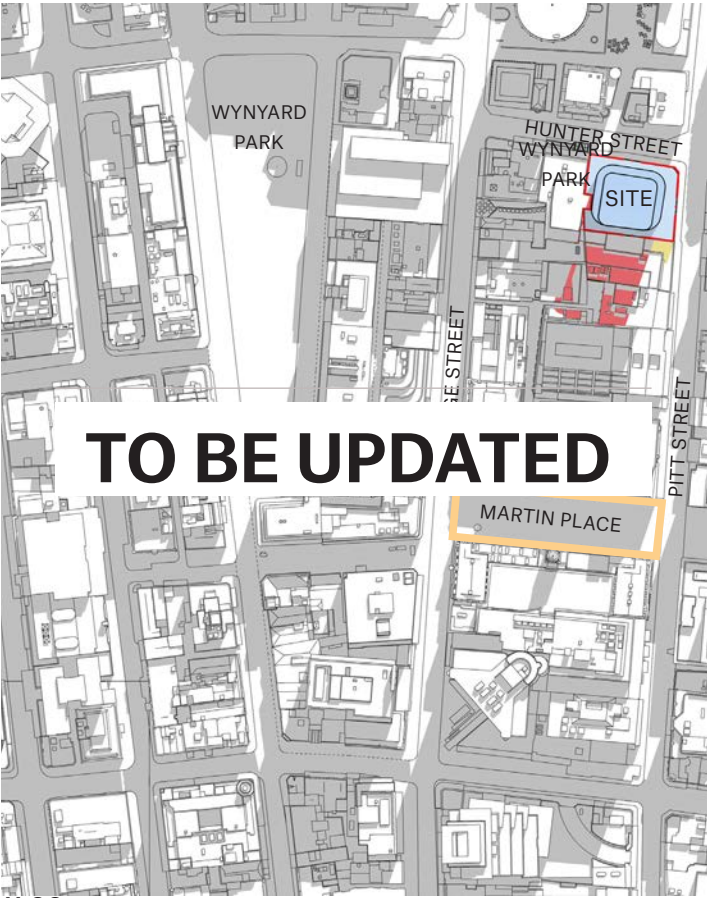
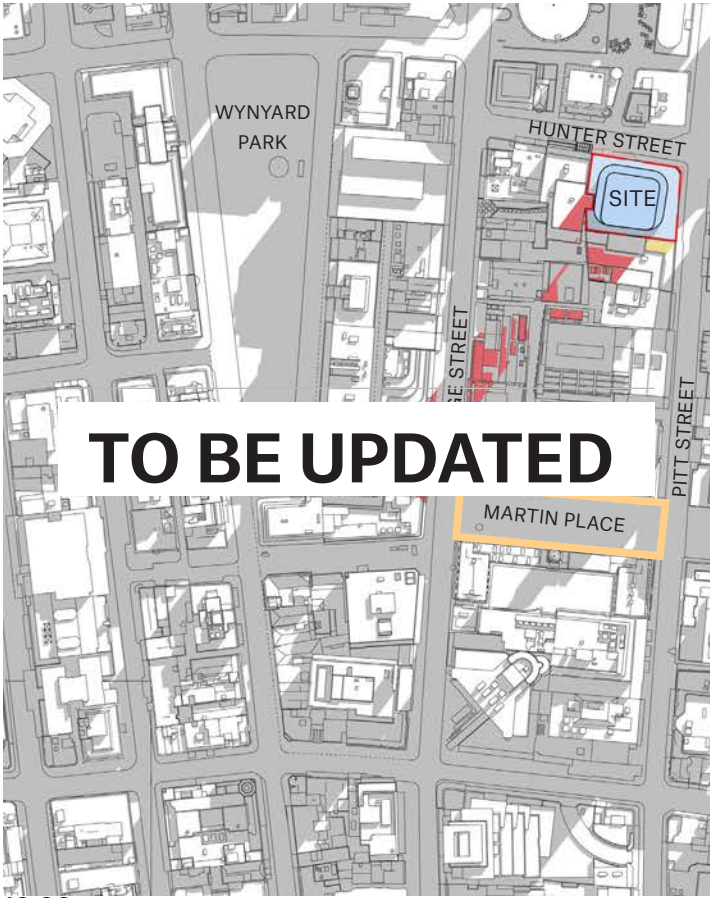
15-23 Hunter Street and 105-107 Pitt Street Proposed Envelope

Additional Overshadowing

Reduced Overshadowing

Locations requiring no additional overshadowing as per Sydney LEP 2012

Image source: Bates Smart, created using a 3d city model provided under license from AAM Group





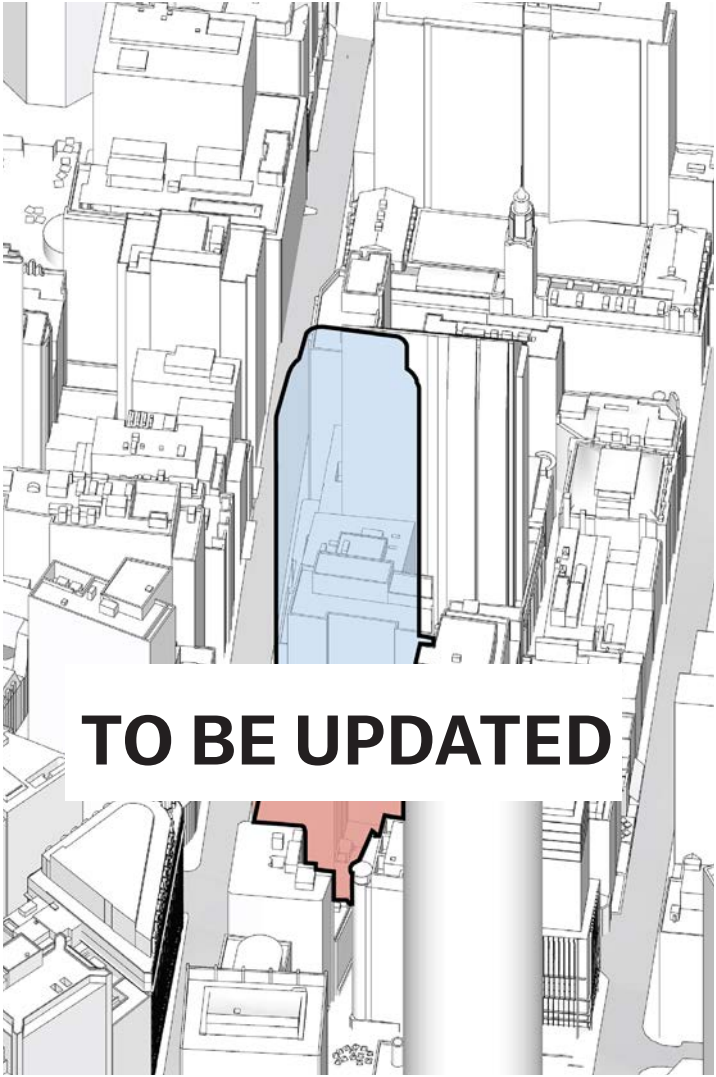
# 8.2 Views From The Sun

14<sup>TH</sup> APRIL - VIEWS FROM THE SUN

KEY

15-23 Hunter Street and 105-107 Pitt Street  
Proposed Envelope

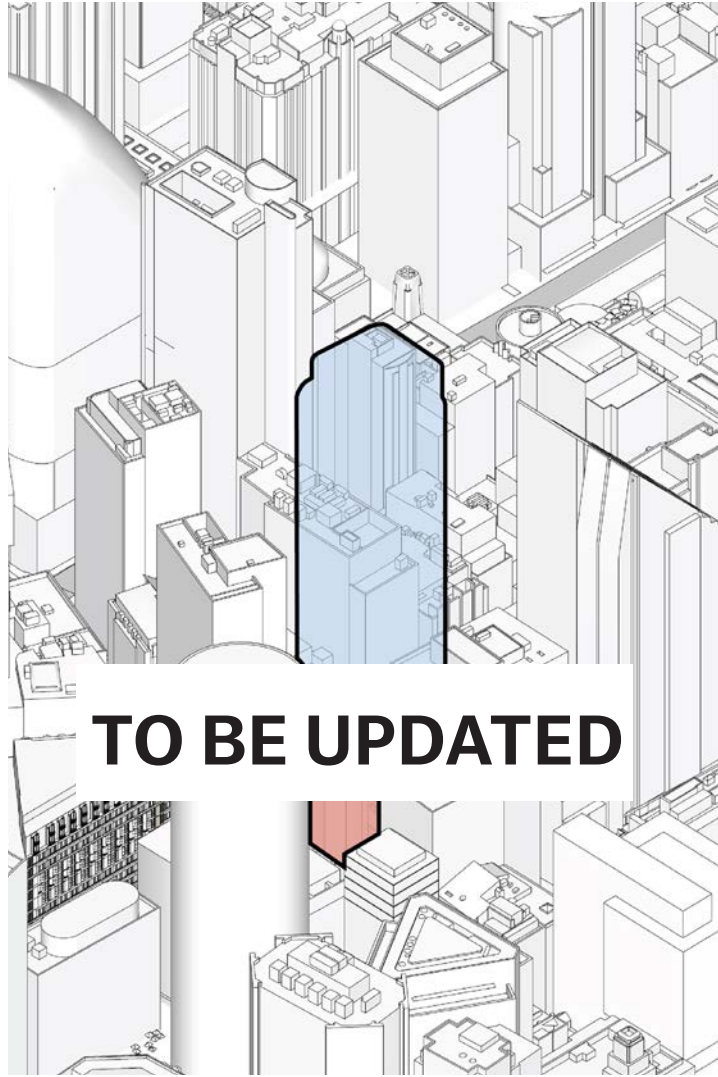
Existing massing on site



12:00



13:00



14:00

Image source: Bates Smart, created using a 3d city model provided under license from AAM Group

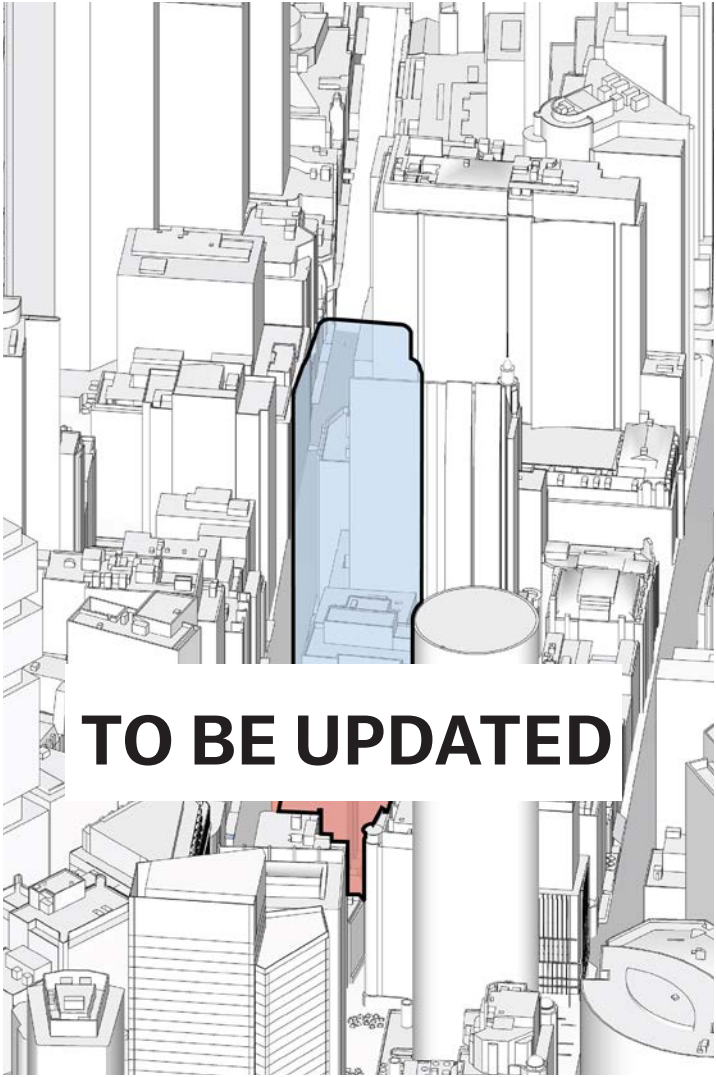


21<sup>ST</sup> JUNE - WINTER SOLSTICE - VIEWS FROM THE SUN

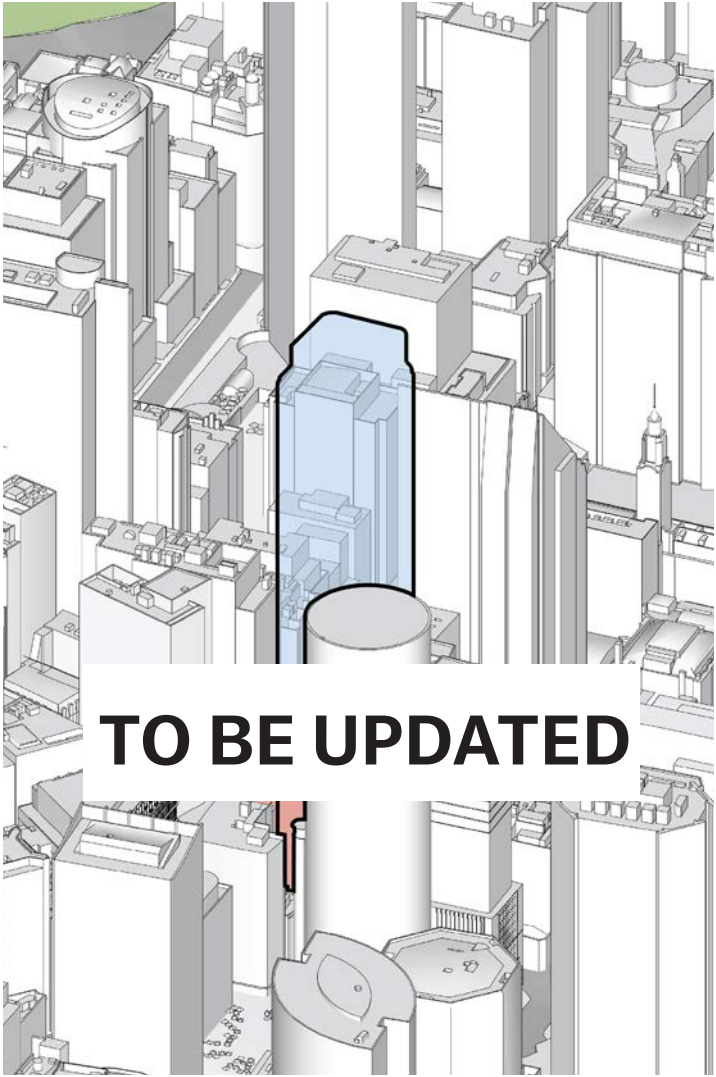
KEY

15-23 Hunter Street and 105-107 Pitt Street  
Proposed Envelope

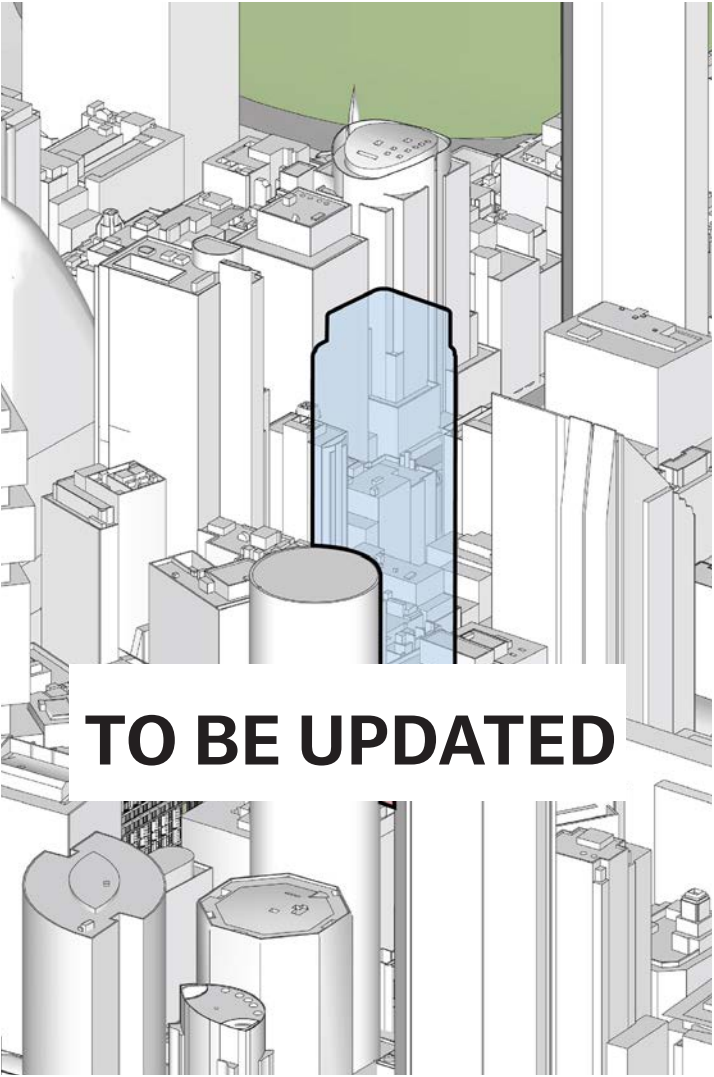
Existing massing on site



12:00



13:00



14:00

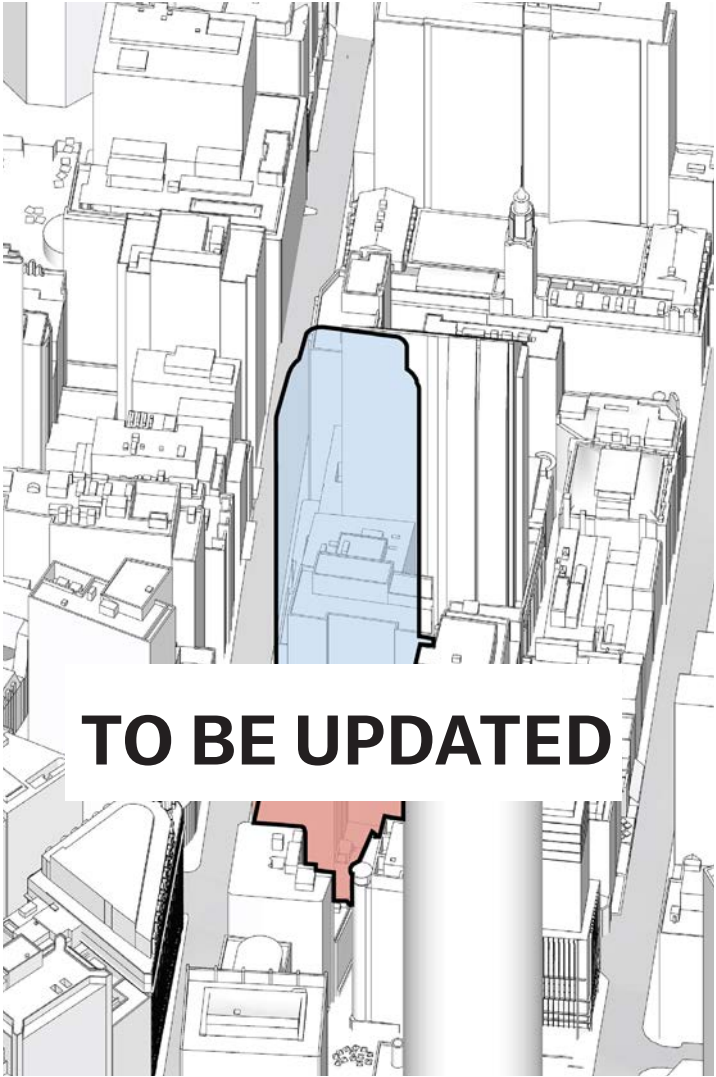


31<sup>ST</sup> AUGUST - VIEWS FROM THE SUN

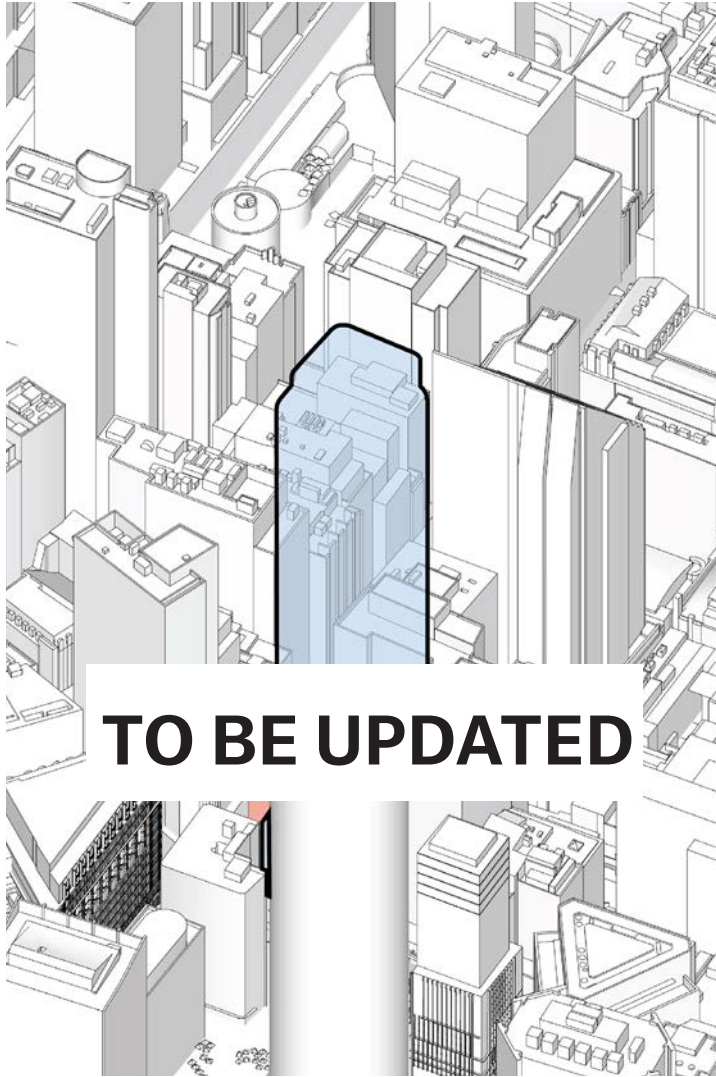
KEY

15-23 Hunter Street and 105-107 Pitt Street  
Proposed Envelope

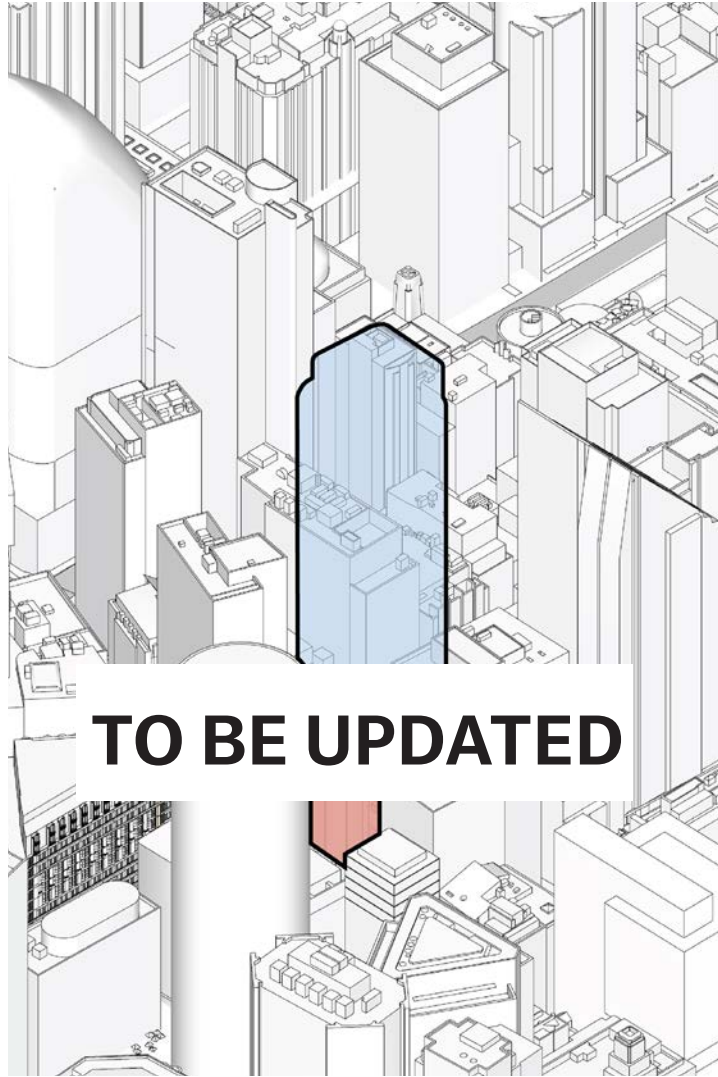
Existing massing on site



12:00



13:00



14:00



**9.0**

## Reference Design

15-23 Hunter Street and  
105-107 Pitt Street Sydney



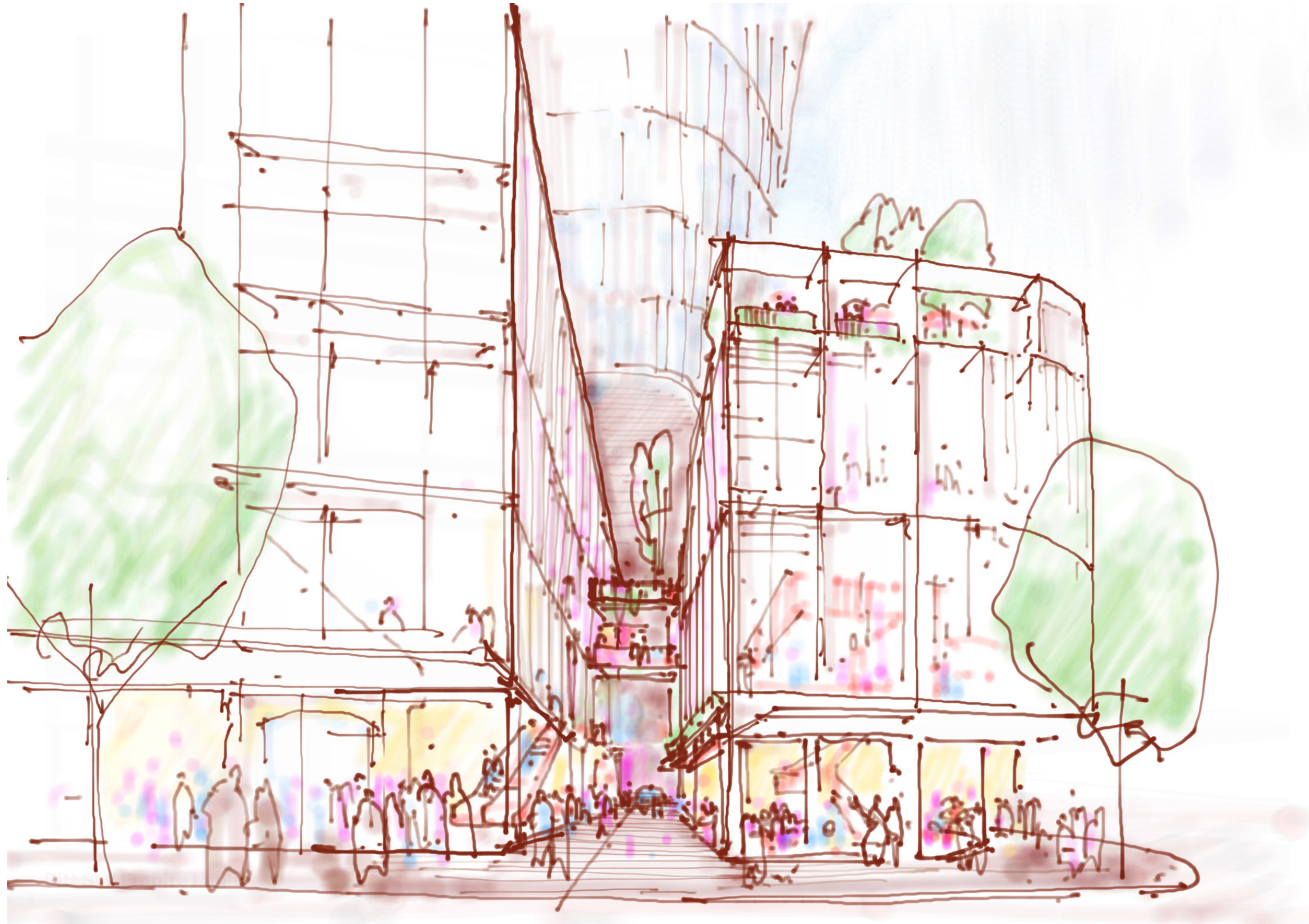


## Reference Design Drawing Set

The indicative reference design is a potential scheme used to demonstrate an appropriate outcome can be delivered within the proposed envelope. This is an indicative reference only, and it will be superseded by an architectural design competition.

Particular attention is paid to access requirements, potential yield, and the envelope's relationship to its context.

The drawings and artist's impressions are indicative and are not suggested to constitute a final product.







EXISTING "EMPIRE LANE"

EXISTING HAMILTON STREET  
CONNECTION TO AUSTRALIA SQUARE



# Laneway Concept

**BRIEF: LETTER FROM CITY OF SYDNEY:**

The treatment of 15-17 Hunter Street within the proposal requires careful consideration, including the impacts of any proposed cantilever over the building and its improved integration, and recognition, within the reference design.

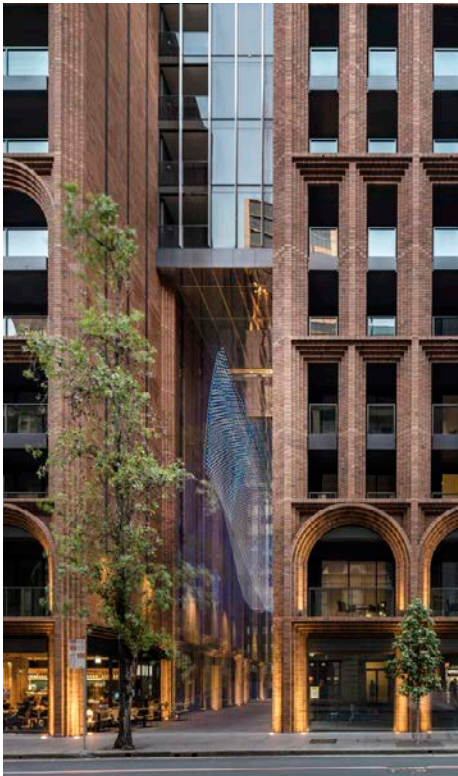
Retaining and activating the current private ‘laneway’ that extends into the site from Pitt Street could help improve integration of 15-17 Hunter Street and improve the integration of future development into the surrounding urban fabric.

The proposal should strive to protect the prevalent fine grain character of Hunter and Pitt Streets.

**LANEWAY / THROUGH-SITE LINK PRECEDENTS:**



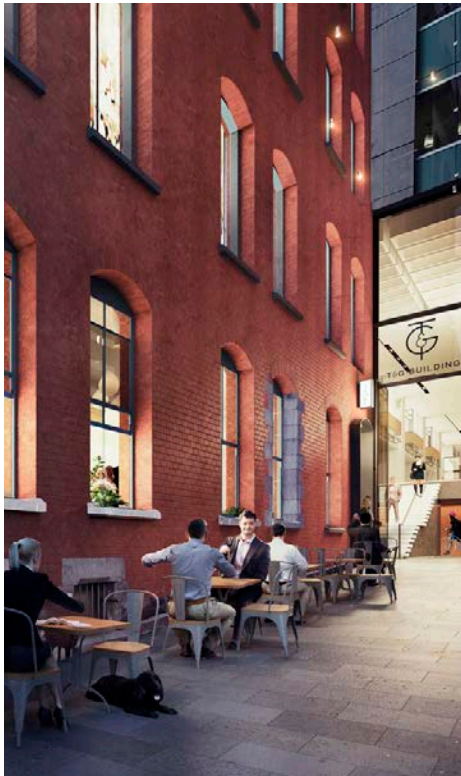
**161 Castlereagh Street**  
Image: John Gollings



**161 Clarence Street**  
Image: Martin Siegner



**151 Clarence Street**  
Image: Brett Boardman



**161 Collins Street Melbourne**  
Image: Jefferson Protomartir



# Below Ground Concept

Health / Wellness / Lifestyle

## UNDERGROUND FOOD HALL PRECEDENTS

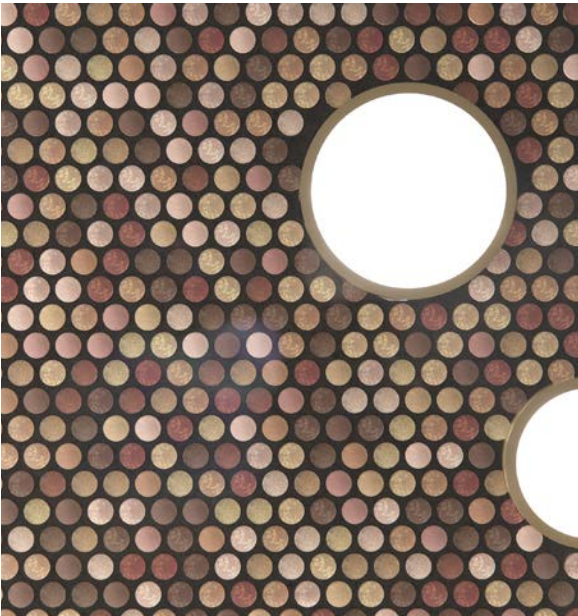


David Jones Food Hall Bondi Junction





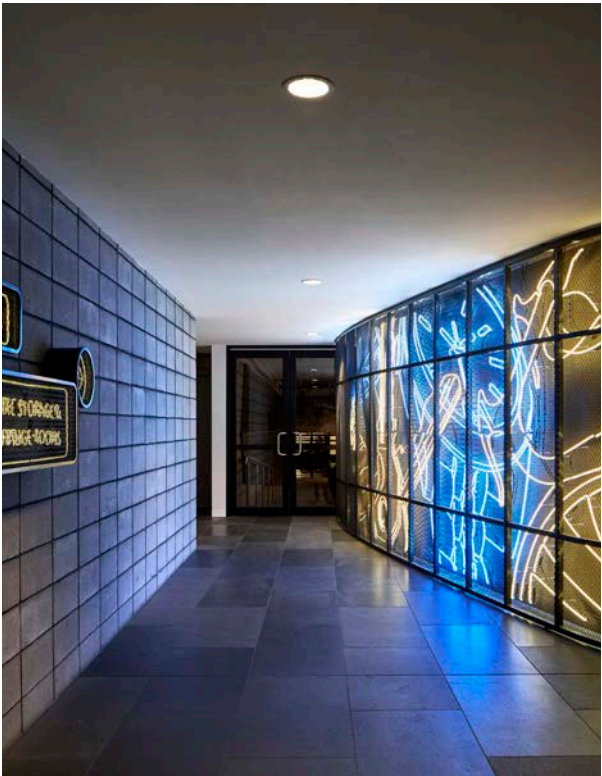
UNDERGROUND FOOD MARKET HALL



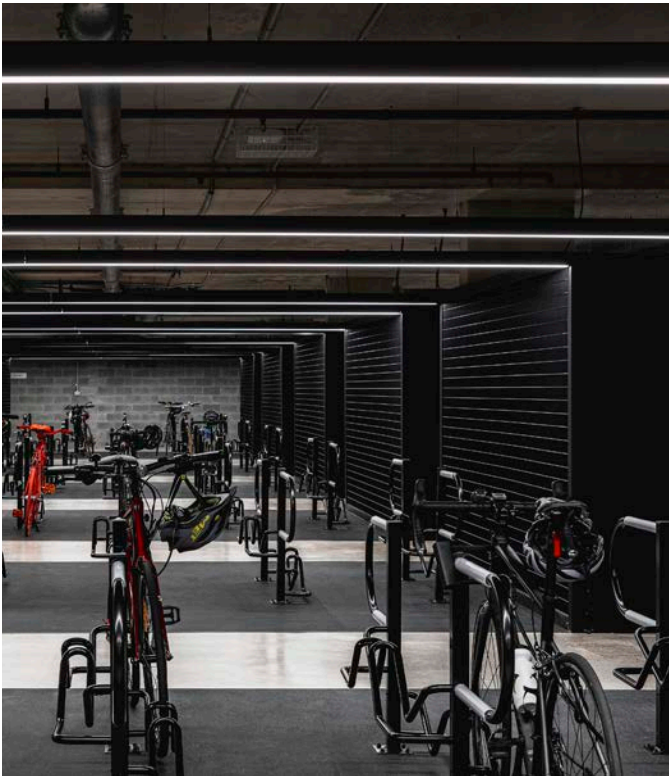
Dexus And Frasers Central Place Sydney



GYM / SPA / EOT PRECEDENTS



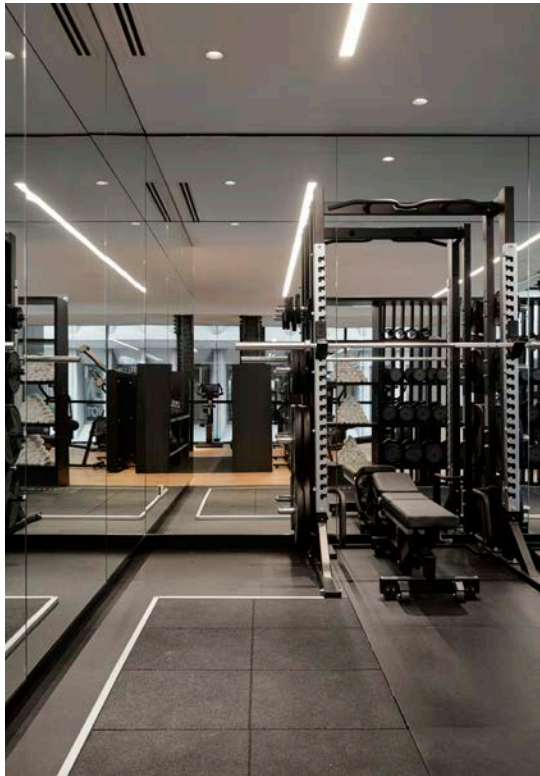
161 Collins Street Melbourne



21 Harris Street Pyrmont



21 Harris Street Pyrmont



Little National Hotel Sydney



Little National Hotel Sydney



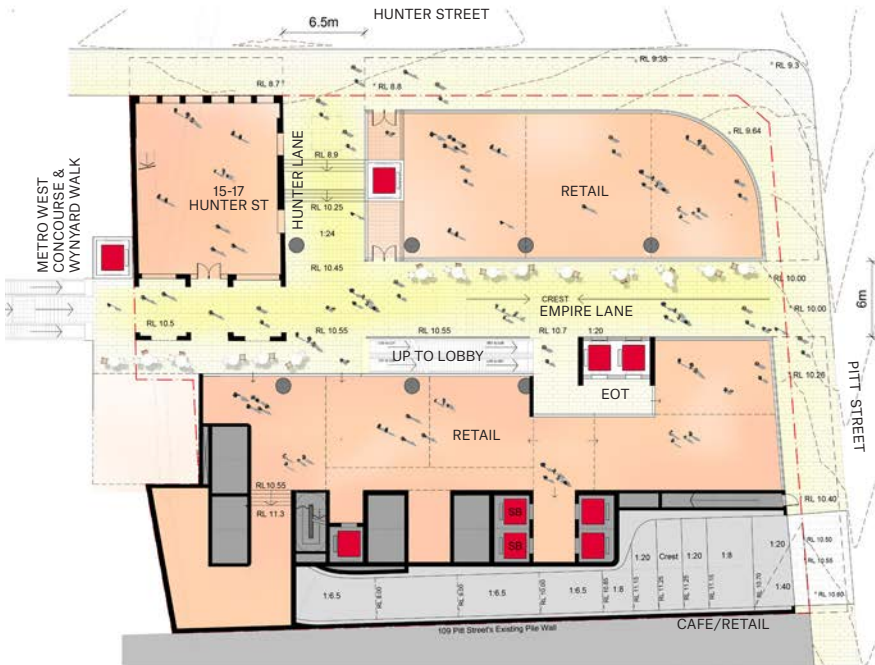
# Summary

## Ground Level And Basement Plans

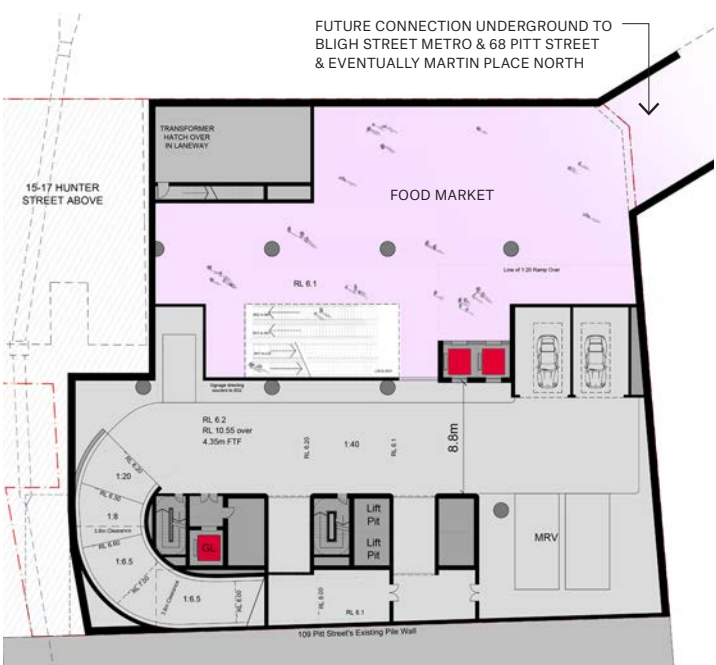
B01 is a Food Market and act as an extension of the Empire Lane entertainment tenancies above. It allows for a potential connection to Martin Place Metro's Bligh Street Station.

B02 is a reception for a world class Health and Wellness facility, encompassing treatment rooms, meditation, physiotherapy & yoga studios on B03, and fitness facilities including swimming pool, gym, and sauna on B04.

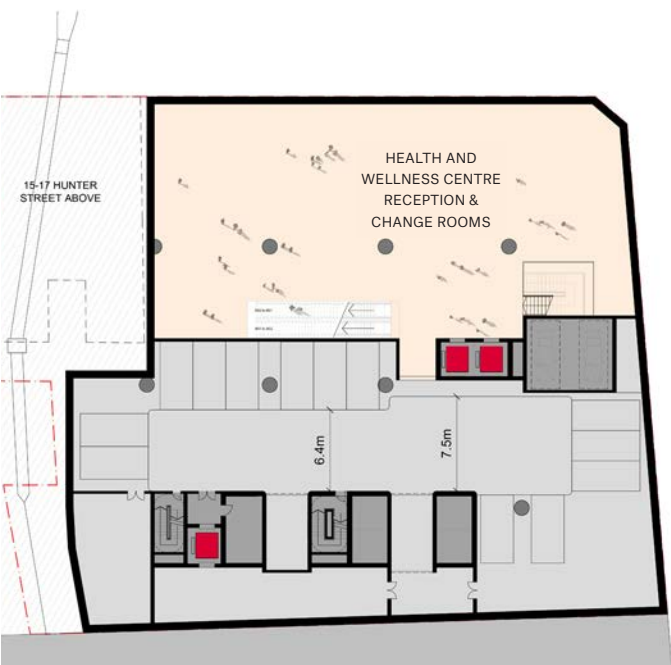
The Health & Wellness centre is designed to supplement to the EOT facilities below B05 will be a dedicated EOT offering.



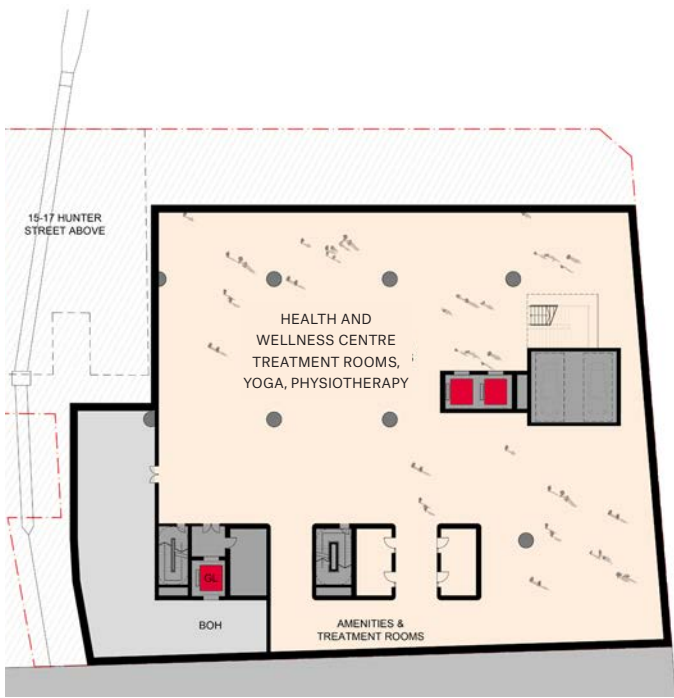
GROUND LEVEL



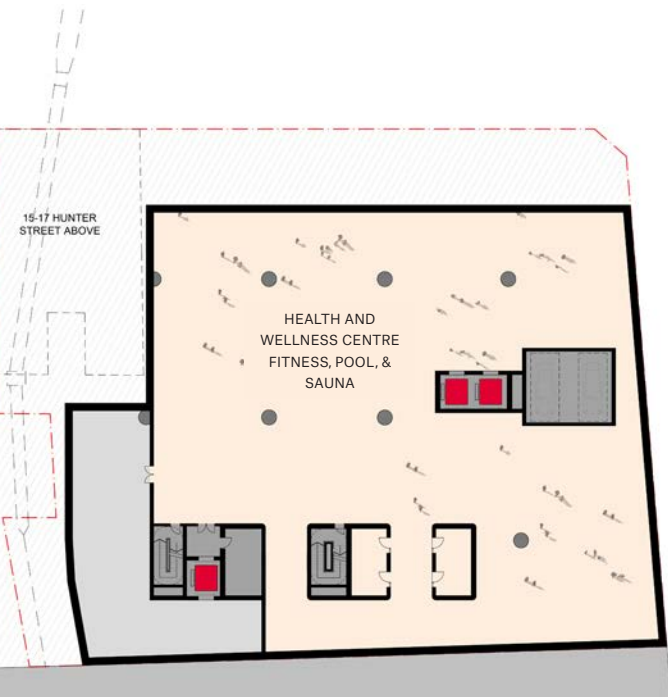
BASEMENT 01



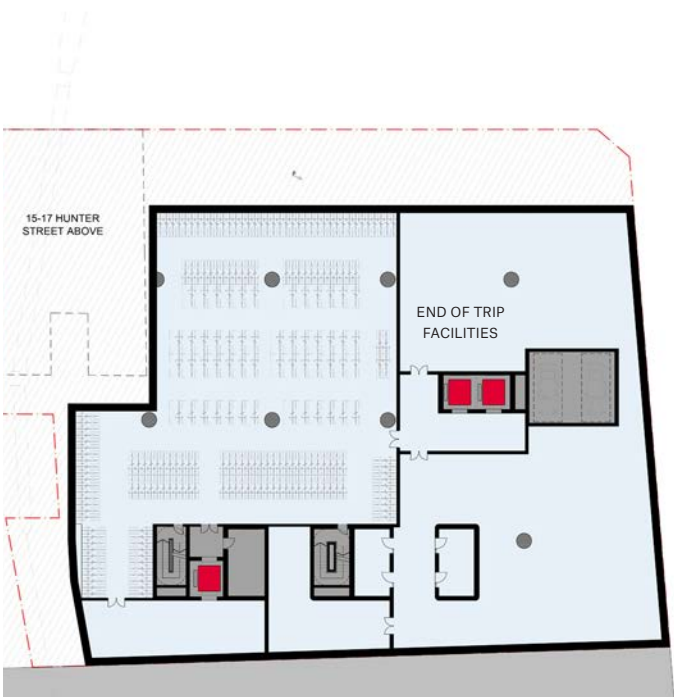
BASEMENT 02



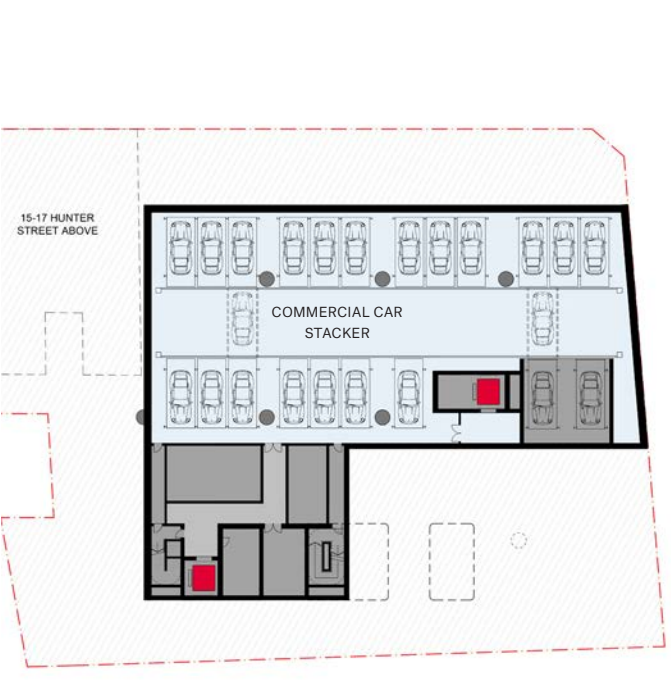
BASEMENT 03



BASEMENT 04



BASEMENT 05



BASEMENT 06

1:600 @ A3



# Interface with Metro Site

## Diagrammatic Cross Section

DAP COMMENTS ADDRESSED

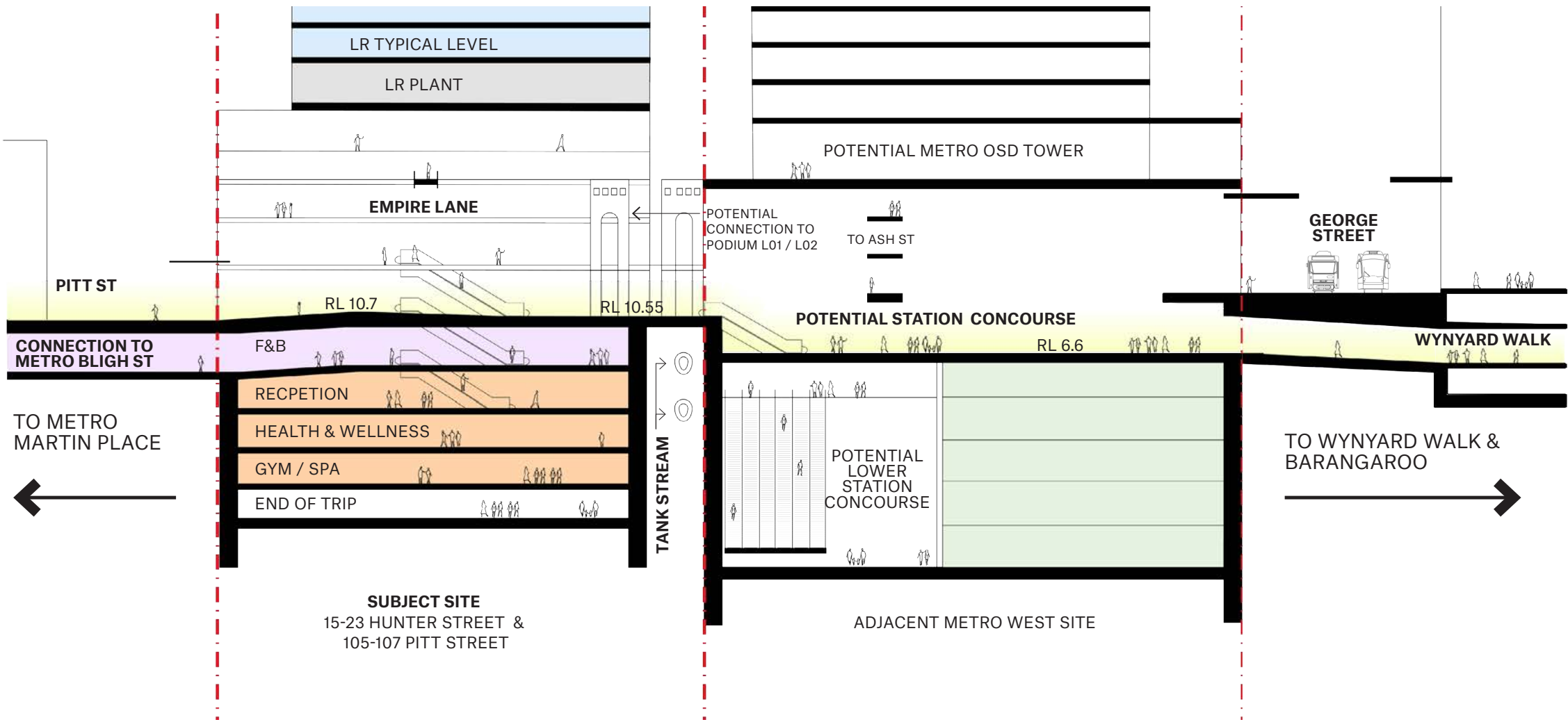
Pedestrians are prioritized with vehicular traffic entirely removed from the laneway. A clear connection to the Metro West concourse is maintained.

Flood levels: Empire Lane must crest at RL 10.70, And Hunter Lane must crest at RL 10.10 .

Basement levels are considered and purposeful, with clear wayfinding and access. The B01 F&B floor is envisaged as a designed food market with connections through to Metro Bligh Street.

B02 is a reception for a world class Health and Wellness facility, encompassing treatment rooms, meditation, physiotherapy & yoga studios on B03, and fitness facilities including swimming pool, gym, and sauna on B04.

B05 will be a dedicated EOT offering, supplemented by the Health & Wellness Centre.





# Summary

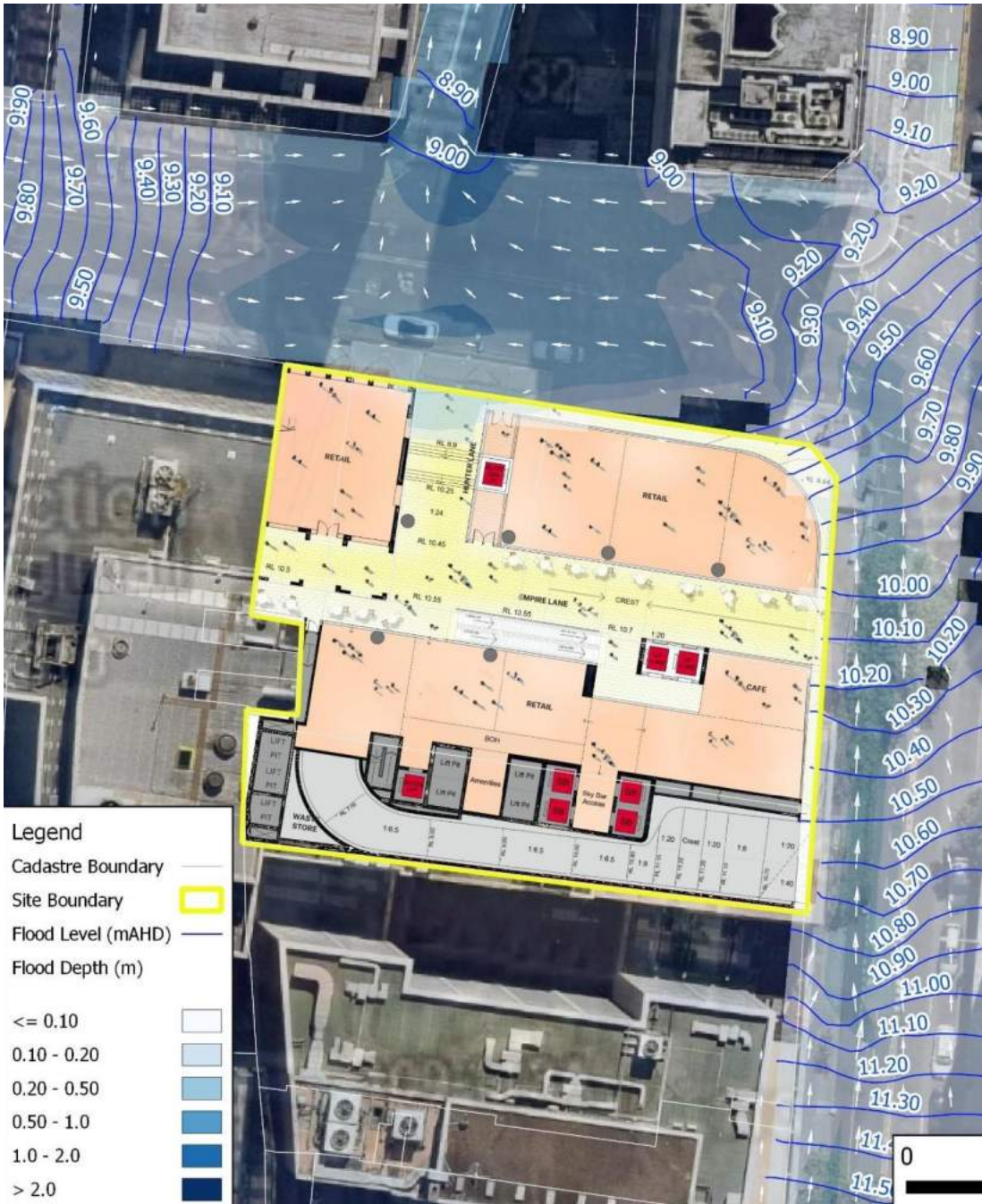
## Mitigating Potential Flood Impact

A desire to mitigate potential flood impacts has led to raised ground floor & laneway levels.

The Metro West concourse may potentially be immediately next door at ~ RL 6.6; as such flood protection to the concourse from an entry located in the laneway must be considered. As such, levels have been raised to ensure adequate protection to the potential station concourse.



PMF LEVELS



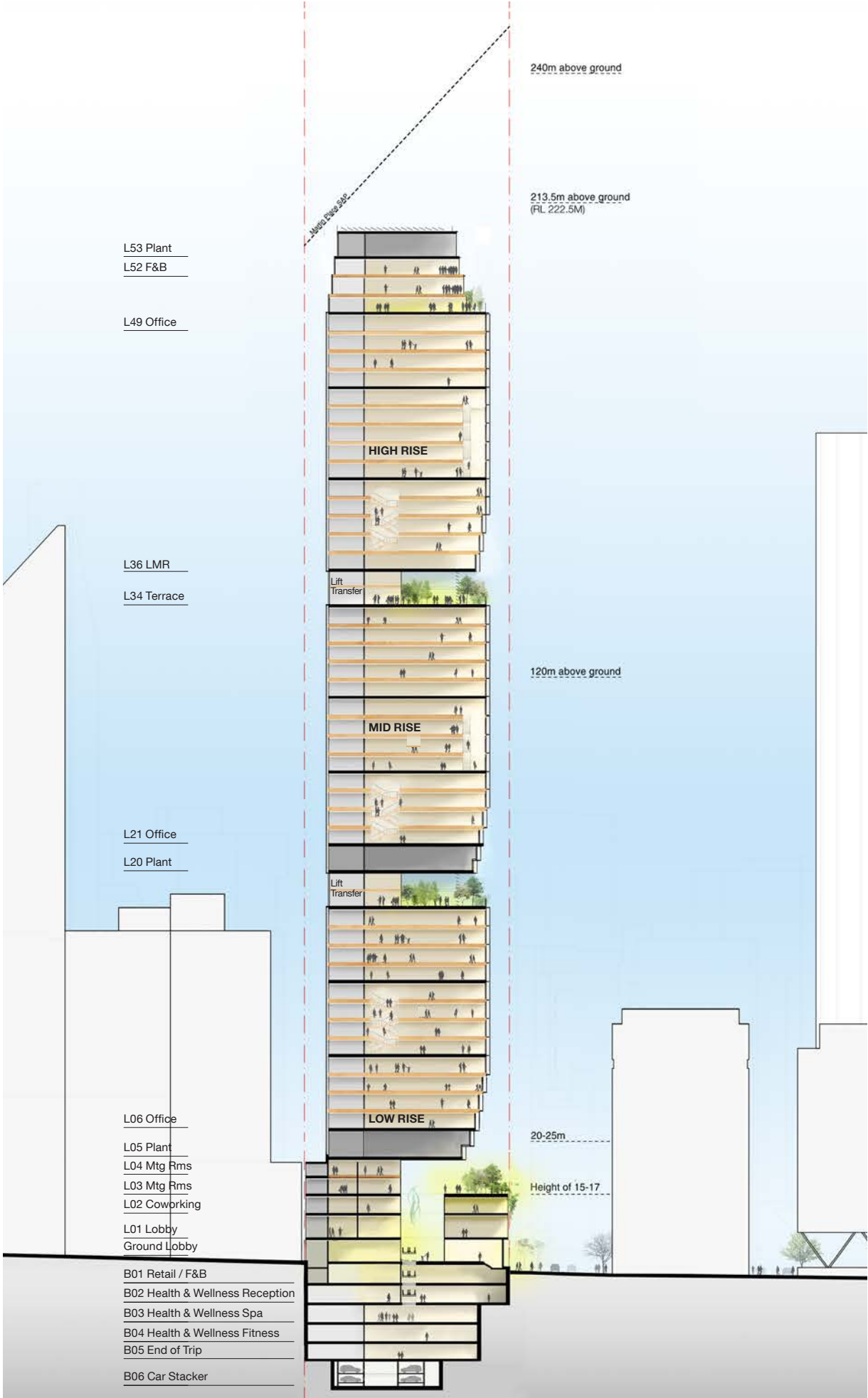
1% AEP LEVELS



# Reference Design Drawing Set

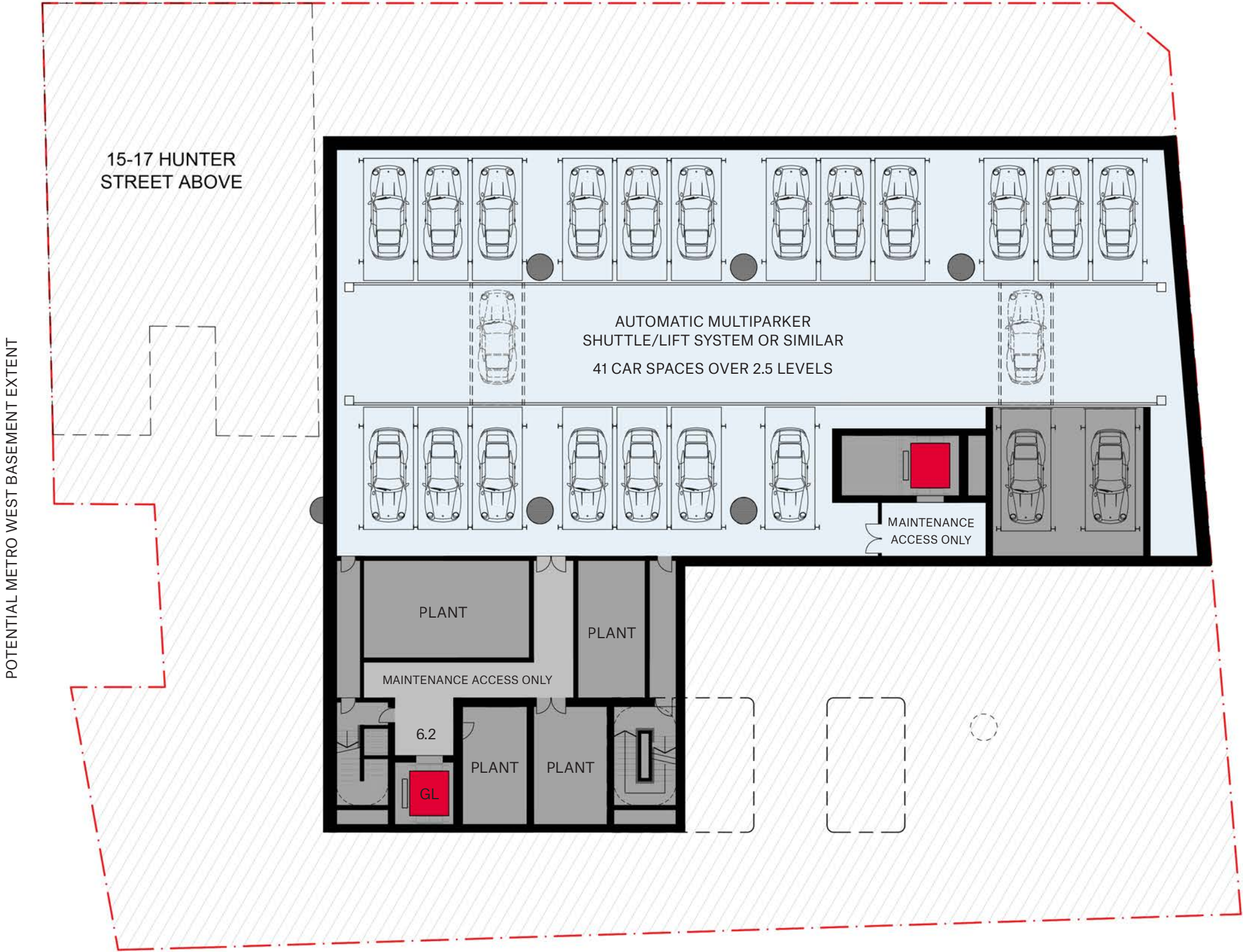
## INDICATIVE SECTION

1:1000 @ A3





BASEMENT 06

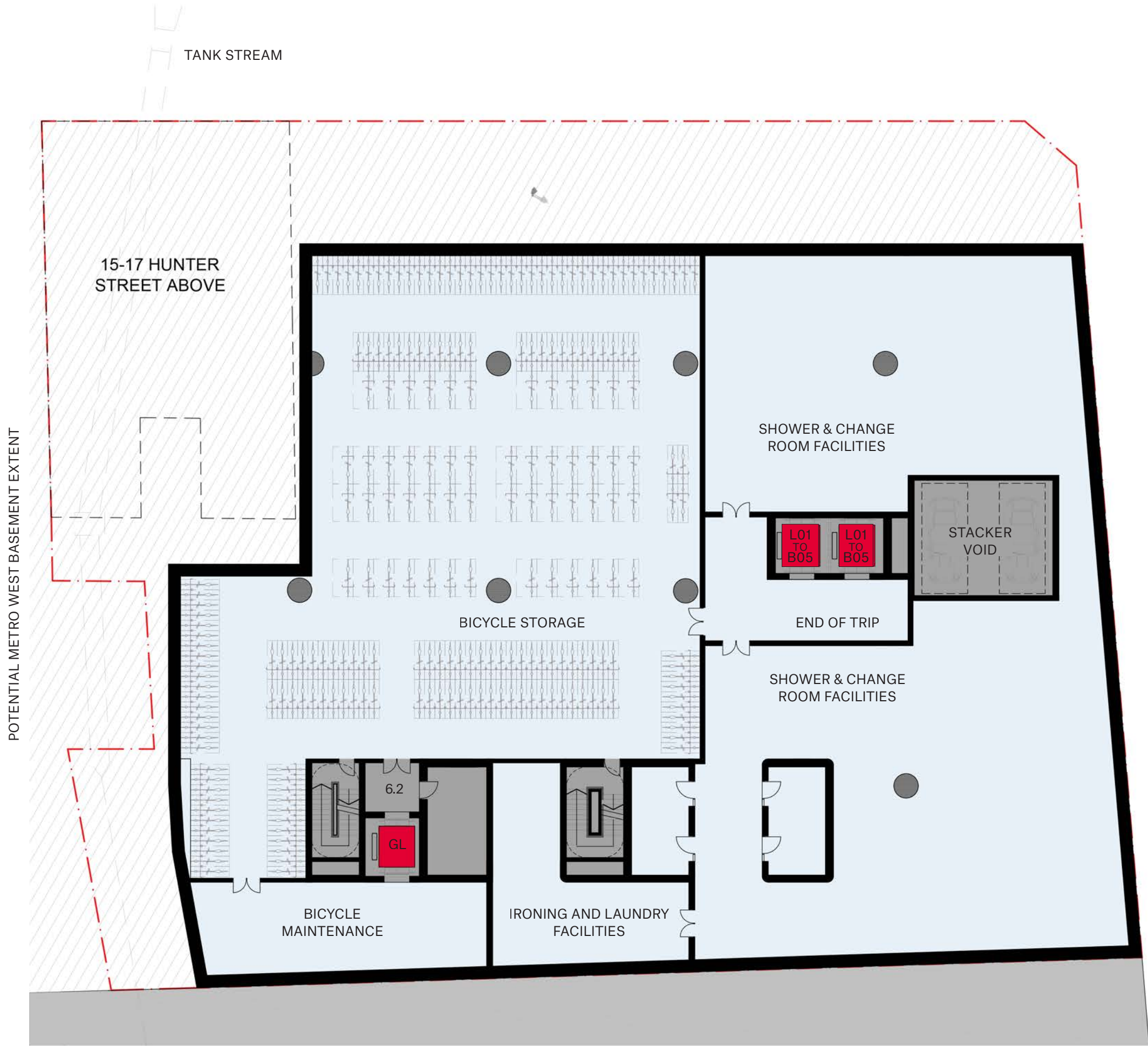


1:200 @ A3





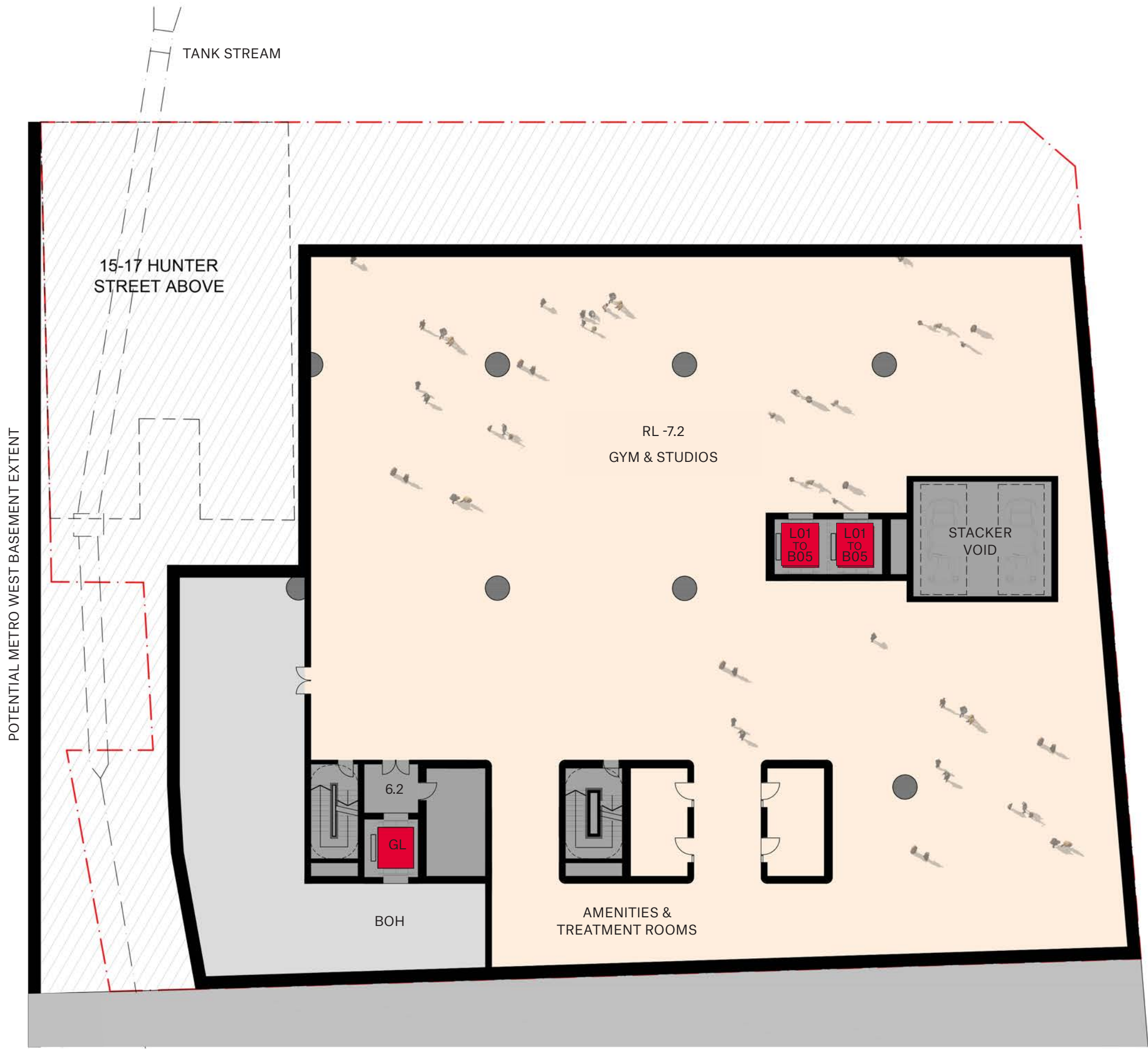
BASEMENT 05



1:200 @ A3



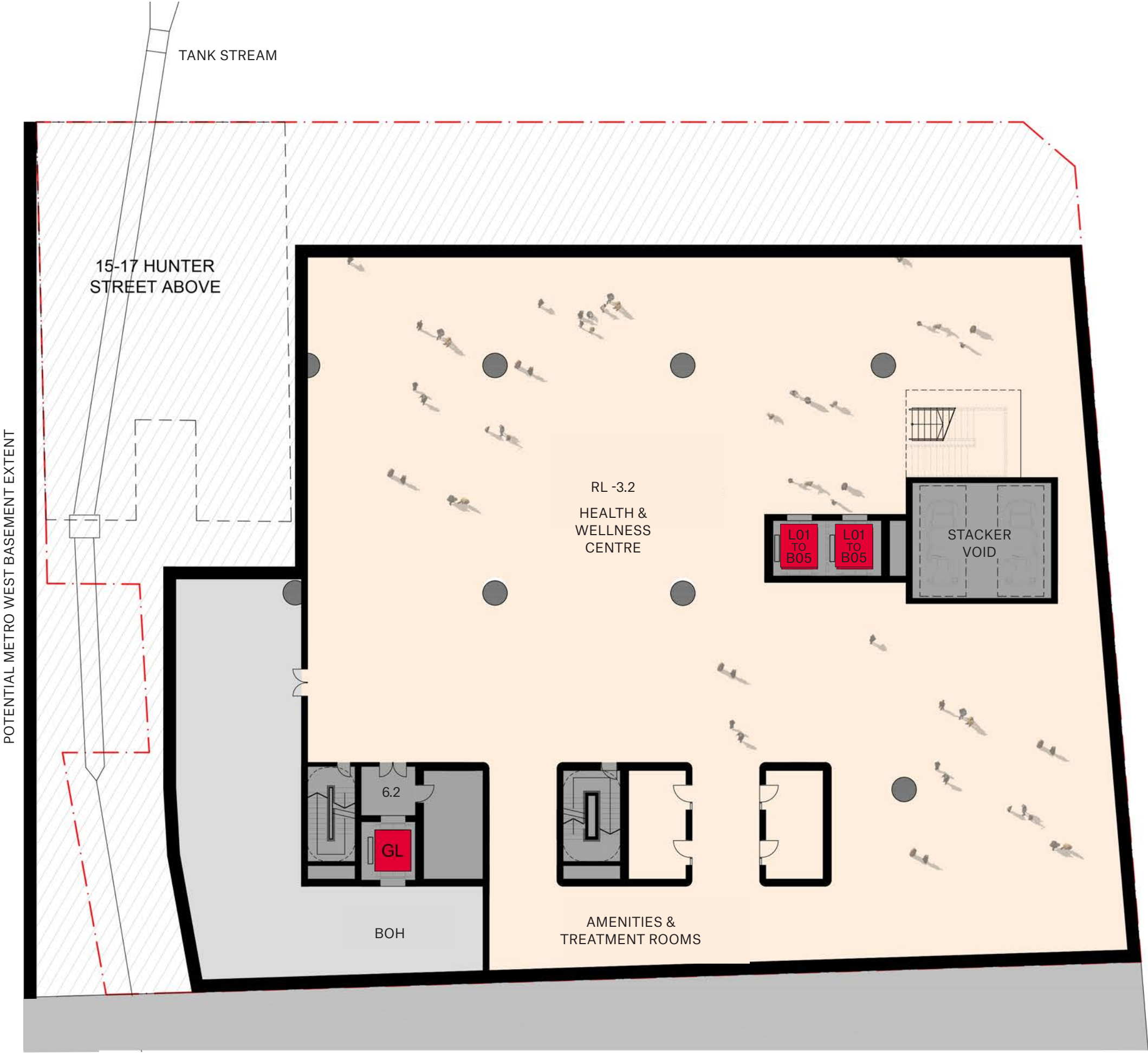
BASEMENT 04



1:200 @ A3



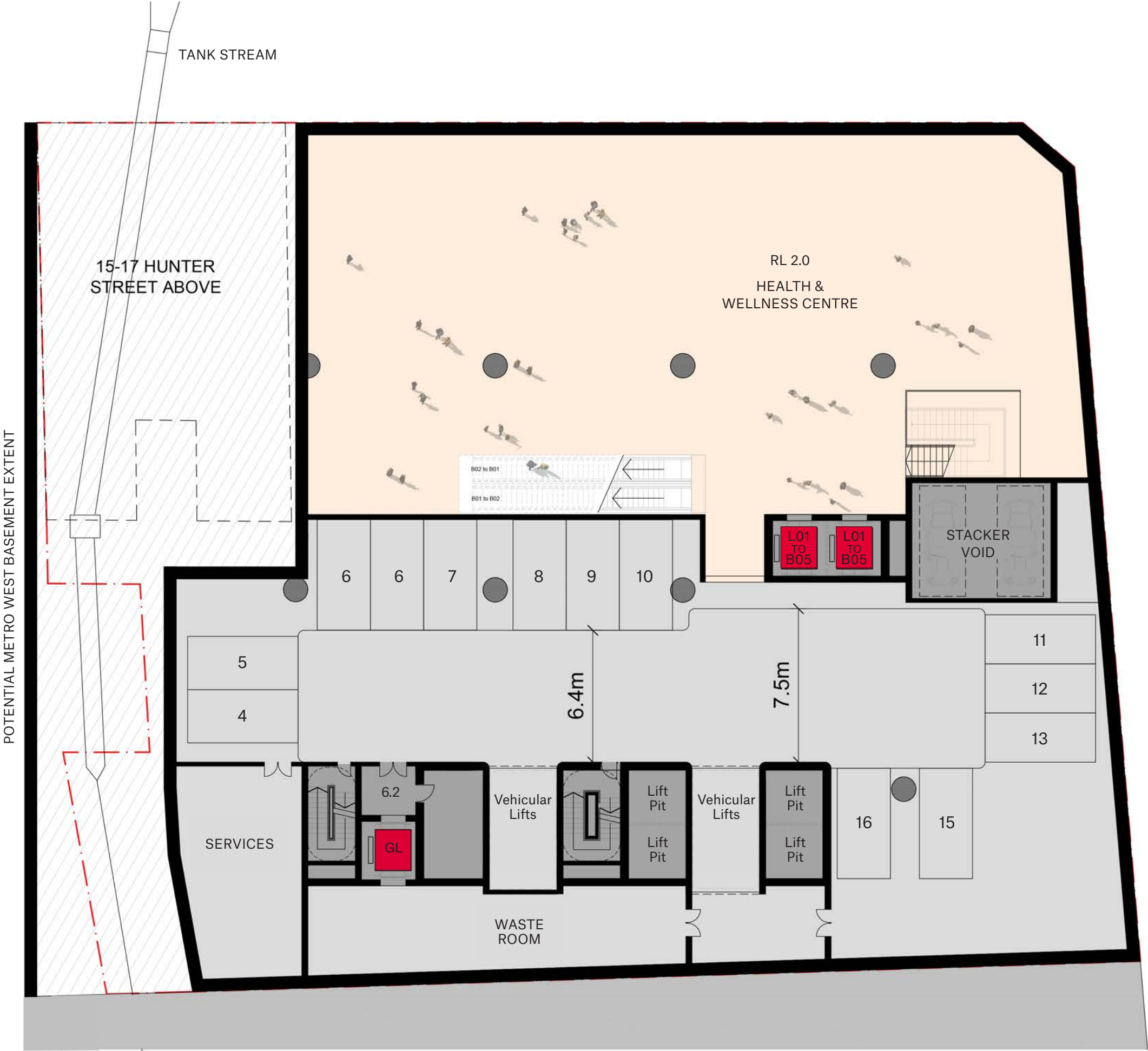
BASEMENT 03



1:200 @ A3



BASEMENT 02



1:200 @ A3

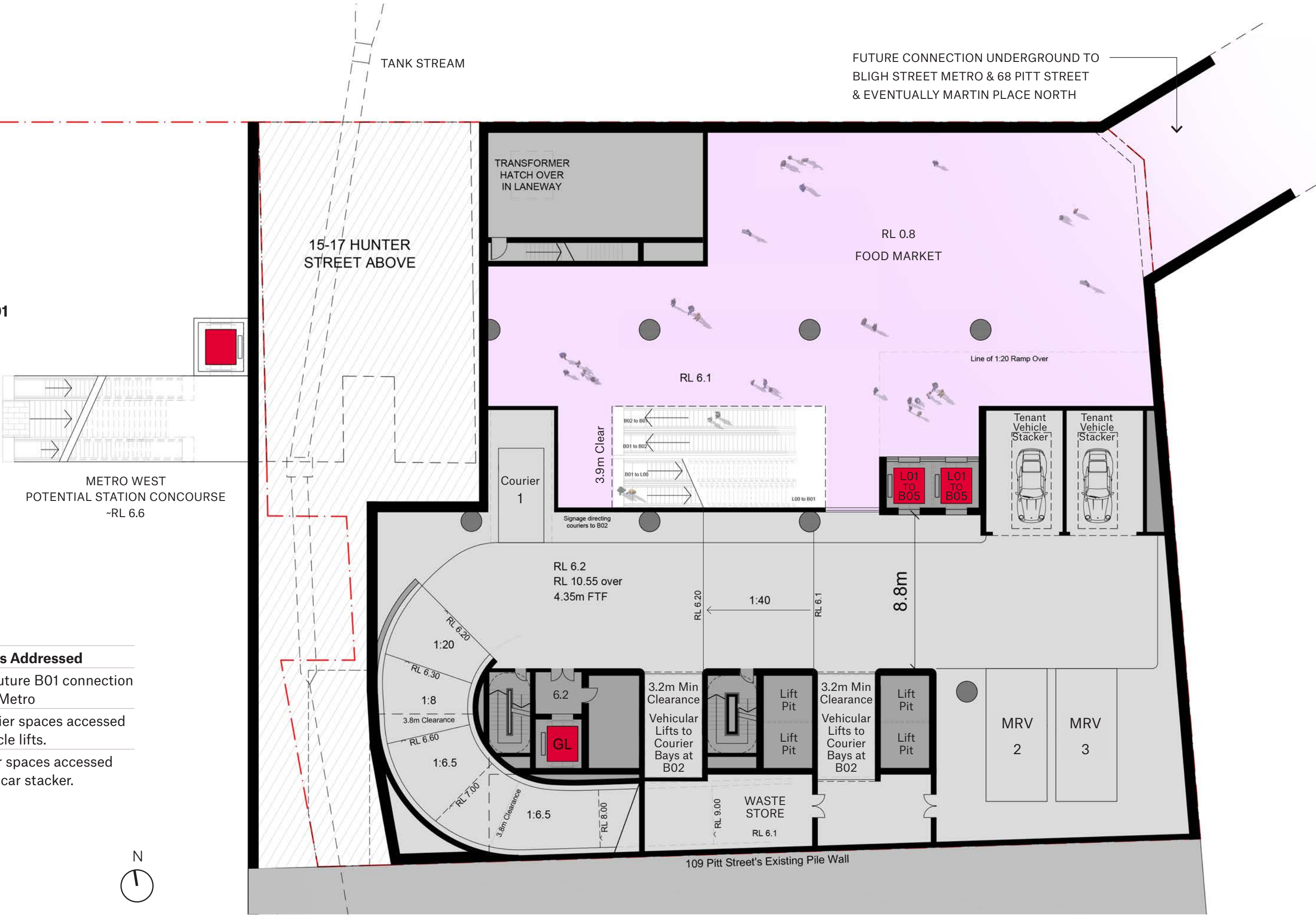


BASEMENT 01

DAP Comments Addressed

- Allowance for future B01 connection to Bligh Street Metro
- Additional courier spaces accessed via courier vehicle lifts.
- Commercial car spaces accessed via commercial car stacker.

1:200 @ A3





GROUND LEVEL

DAP COMMENTS ADDRESSED

- No low level bridges across laneway
- Pedestrian only laneway, with retail activation to both sides
- Functional connection to Metro West above PMF levels & AEP 1% AEP + 500 Levels
- Signalised vehicular ramp to basement levels; allows retail to laneway.

1:200 @ A3





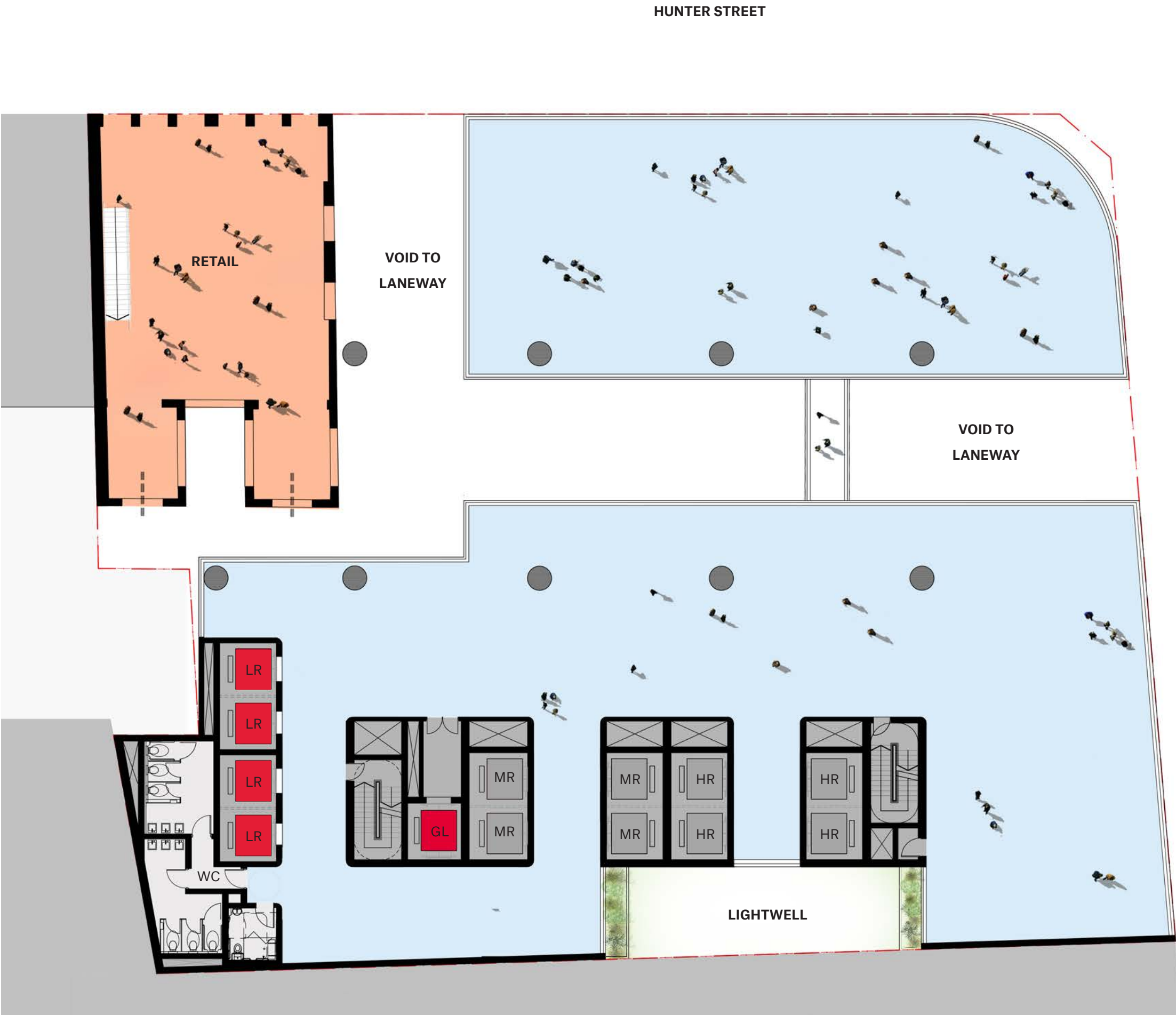
LEVEL 01



1:200 @ A3



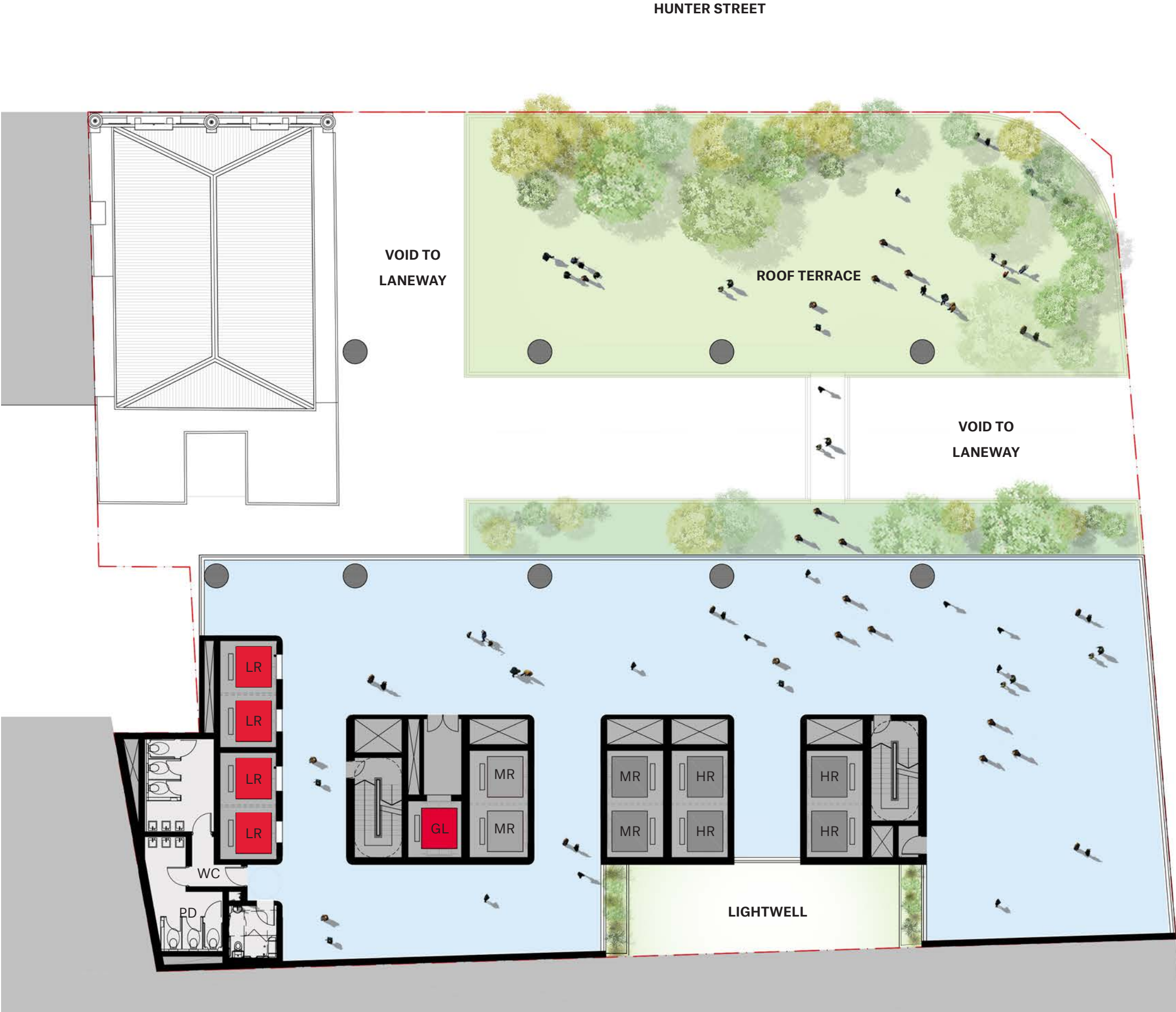
LEVEL 02



1:200 @ A3



**LEVEL 03**  
Hunter Street Podium  
Landscaped Terraces



1:200 @ A3

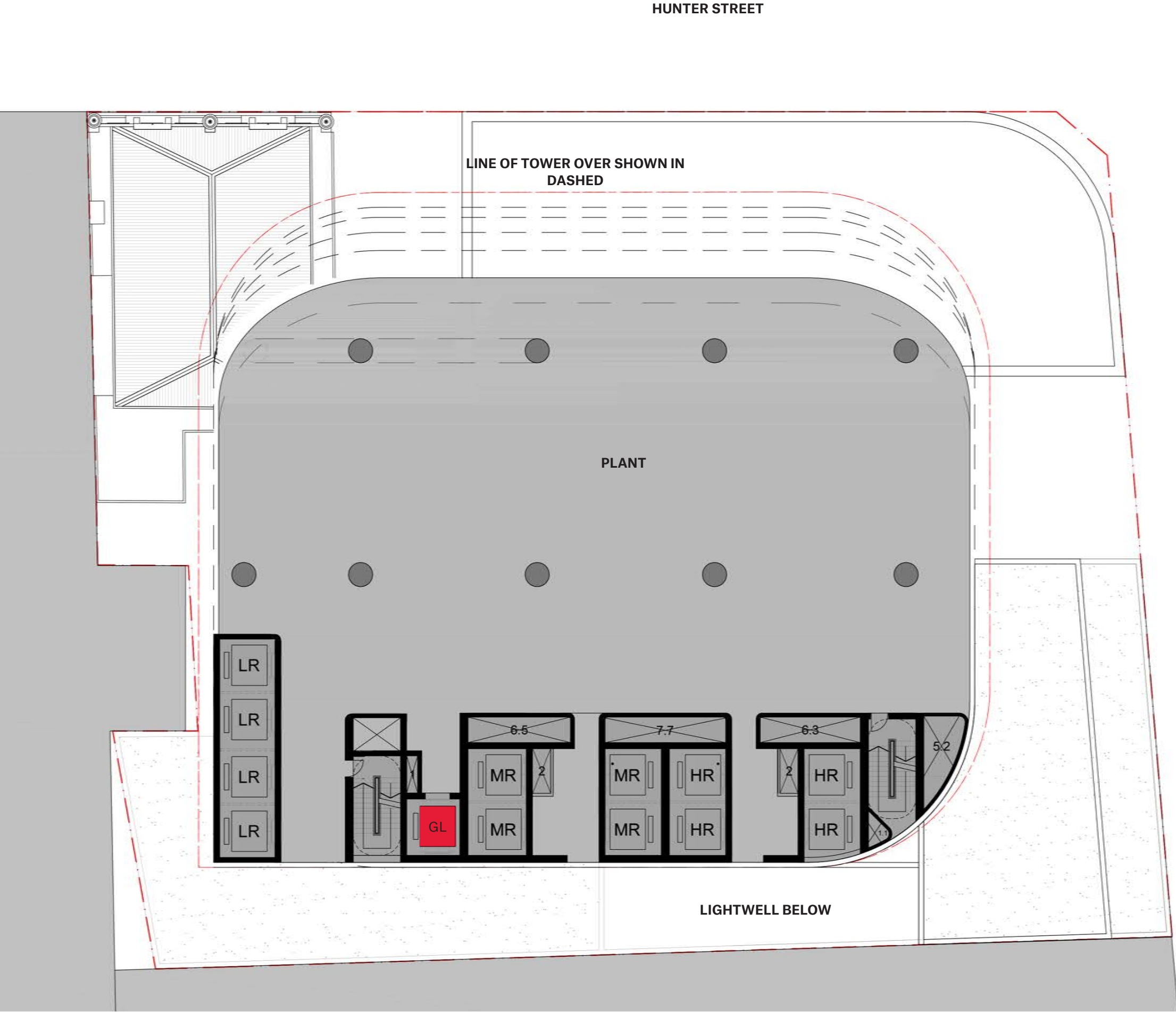


LEVEL 04





LEVEL 05 PLANT

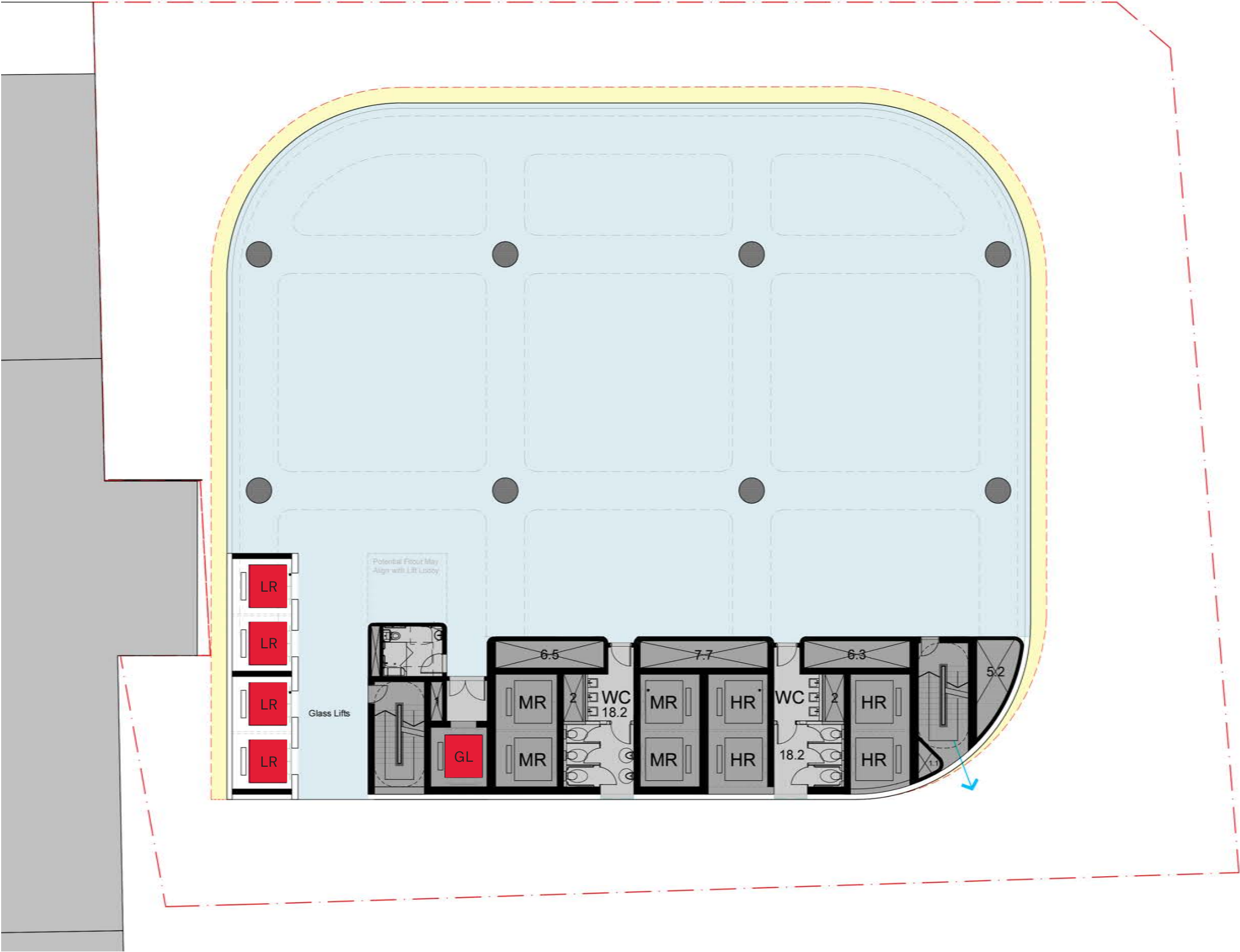


1:200 @ A3



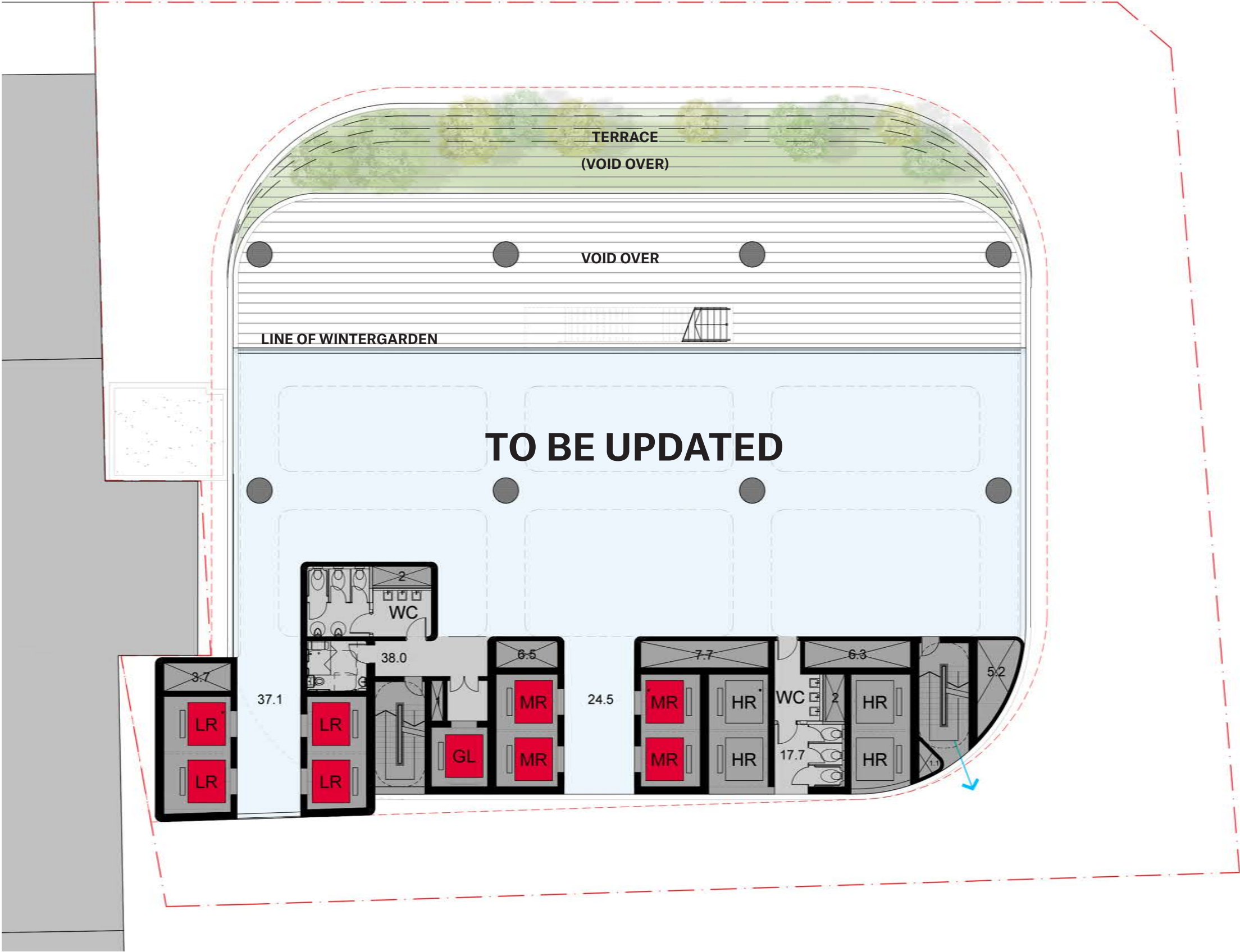
LOW RISE

1:200 @ A3





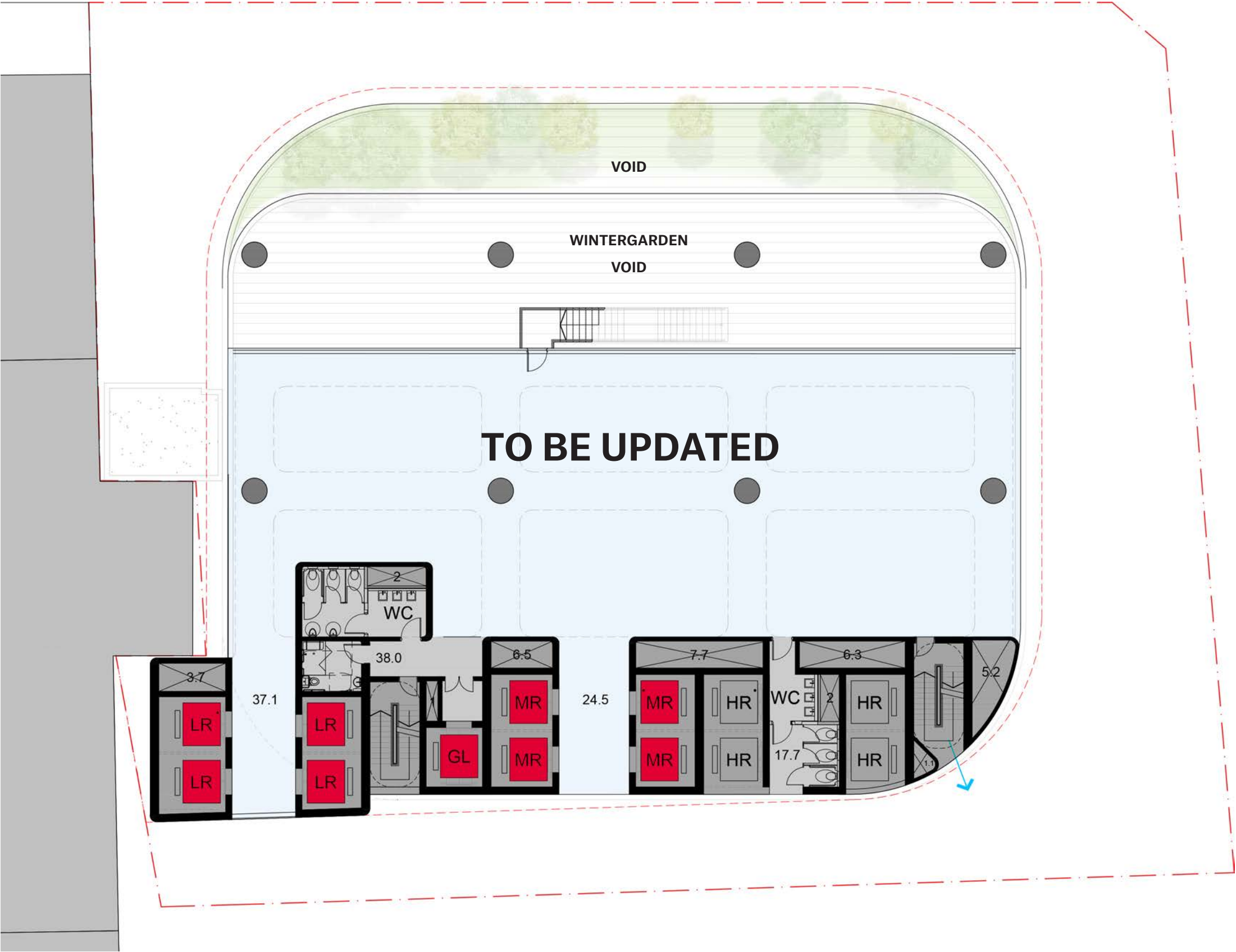
LEVEL 18 LIFT TRANSFER



1:200 @ A3



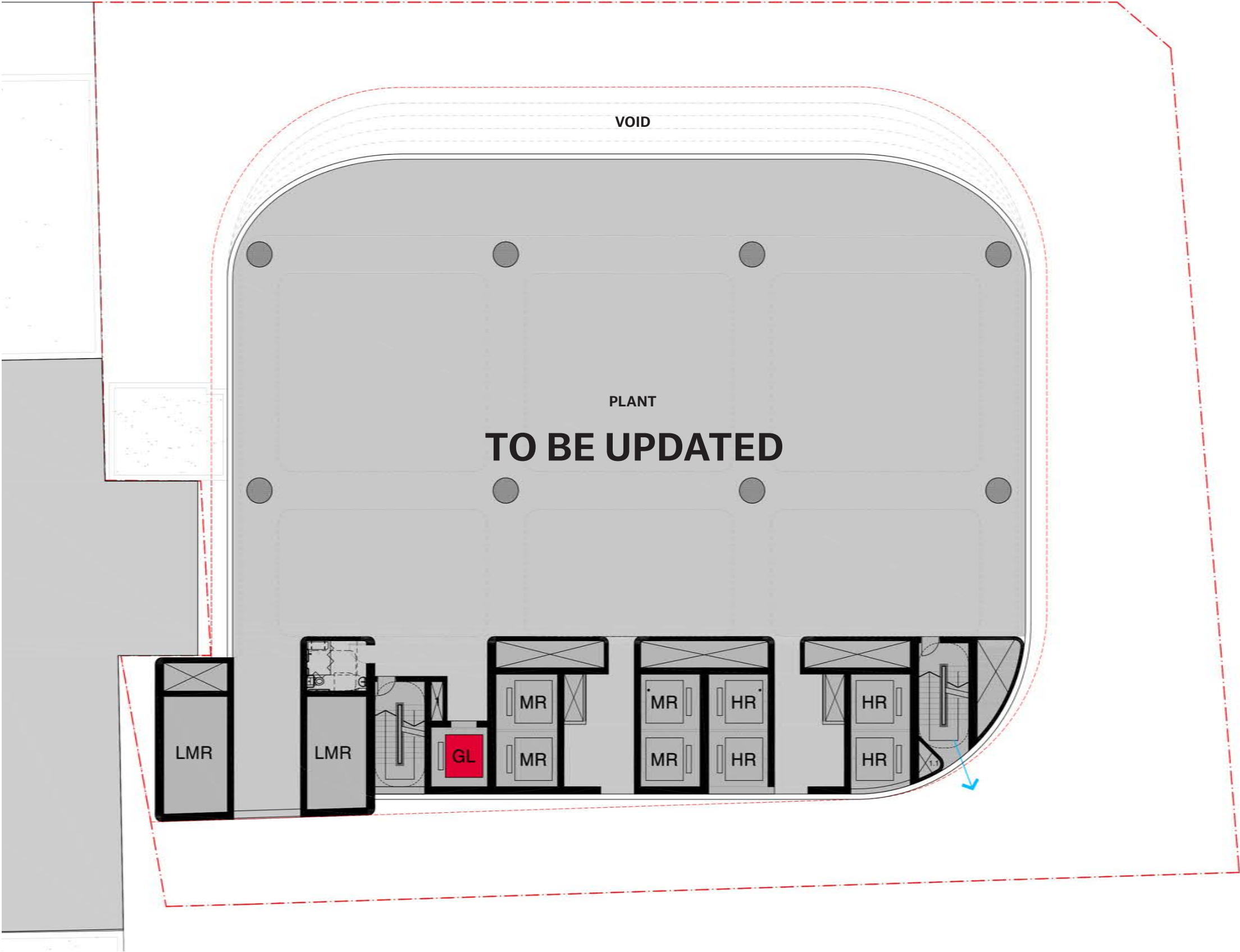
LEVEL 19 TERRACE  
& WINTERGARDEN VOID



1:200 @ A3



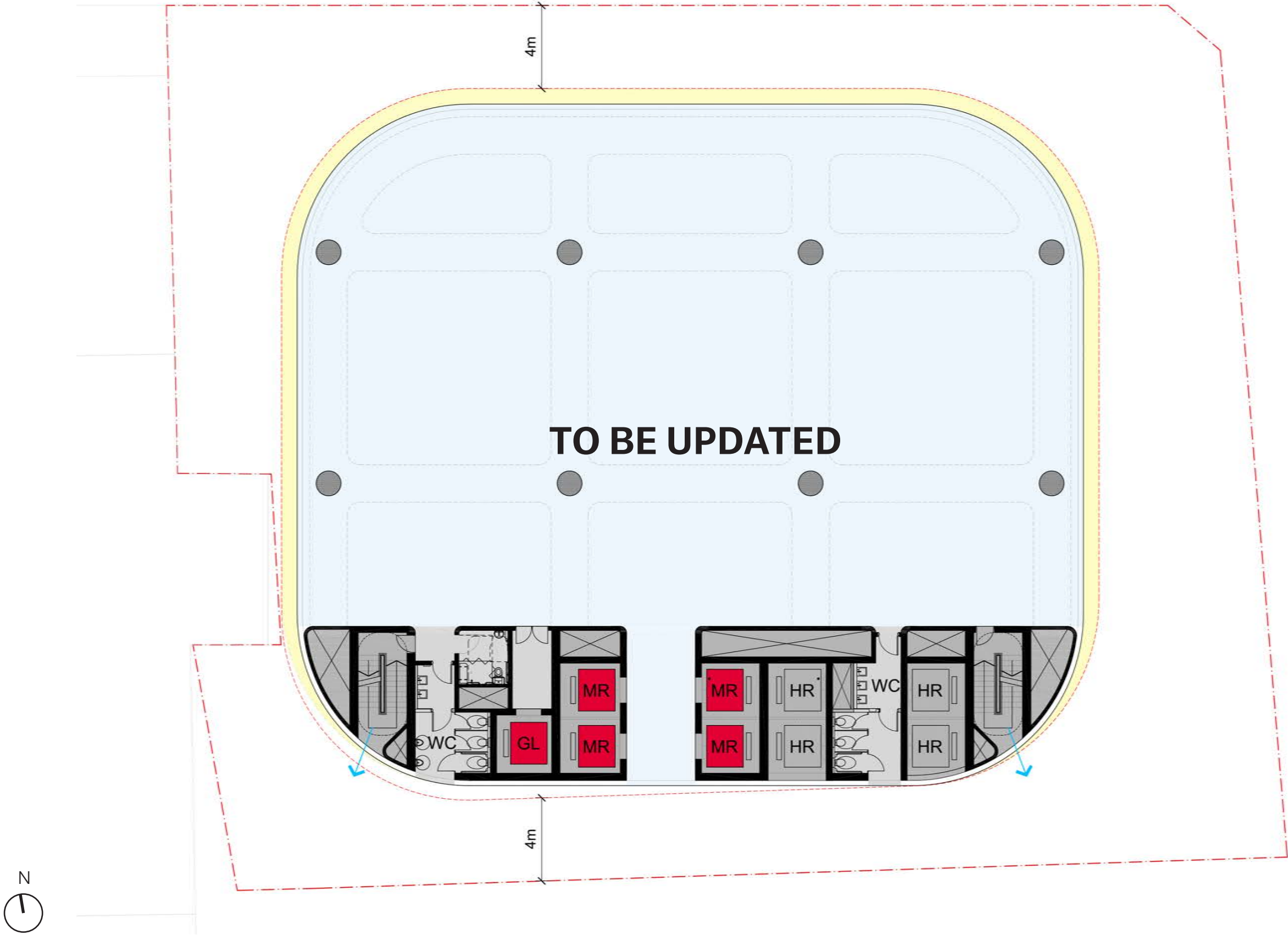
LEVEL 20 LOW RISE PLANT



1:200 @ A3



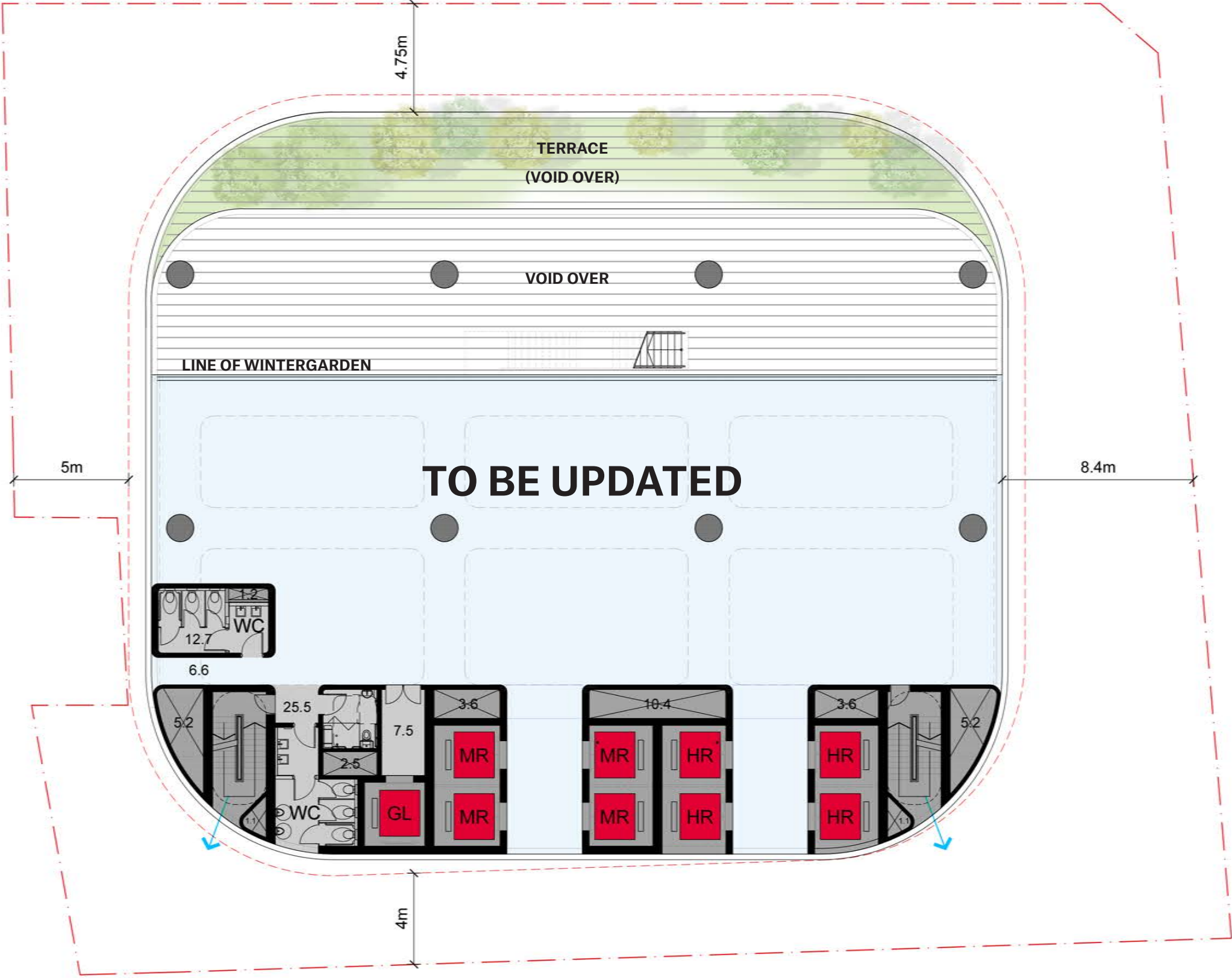
MID RISE



1:200 @ A3



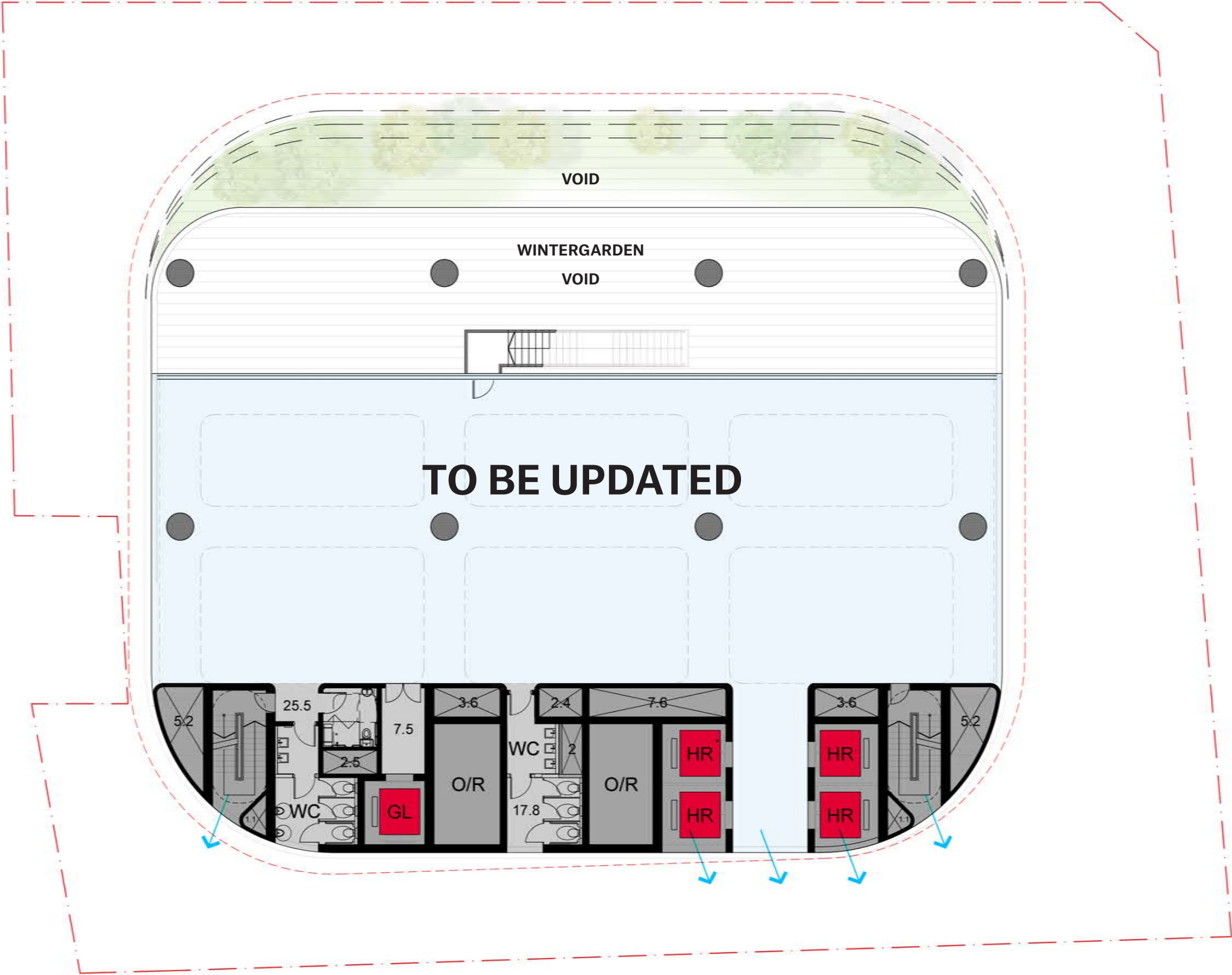
LEVEL 34 LIFT TRANSFER



1:200 @ A3



LEVEL 35 OVER RUN FLOOR

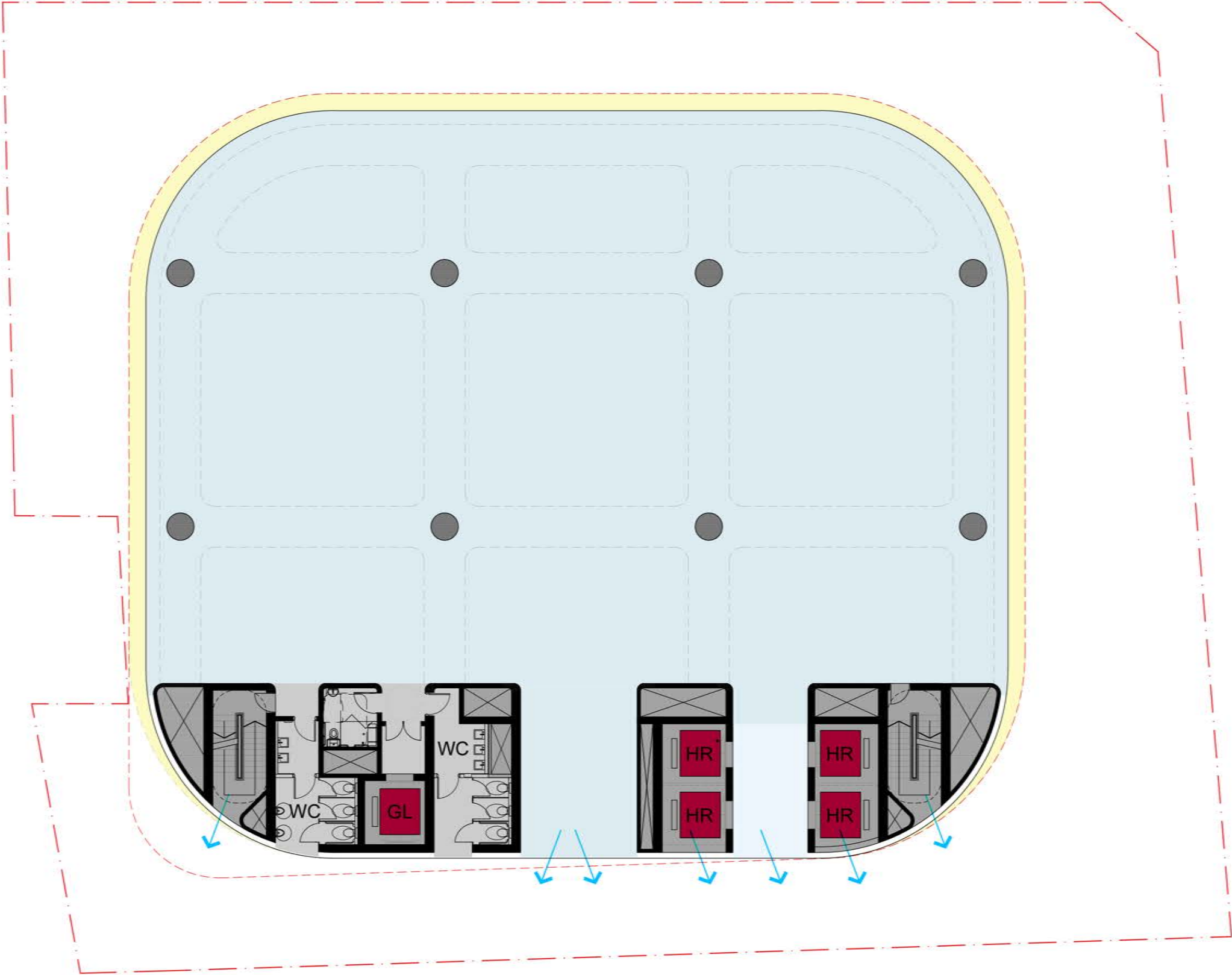


1:200 @ A3





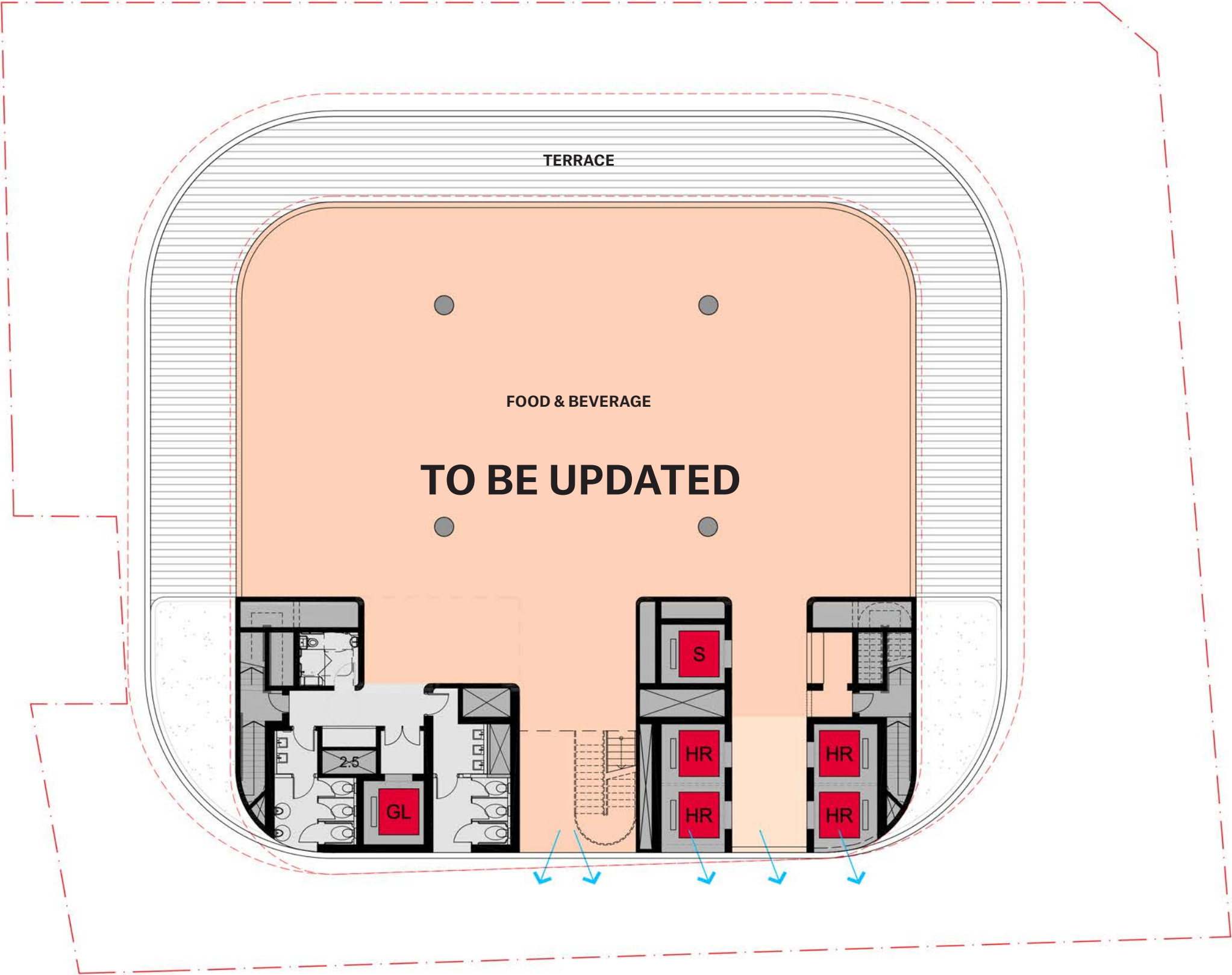
HIGH RISE



1:200 @ A3



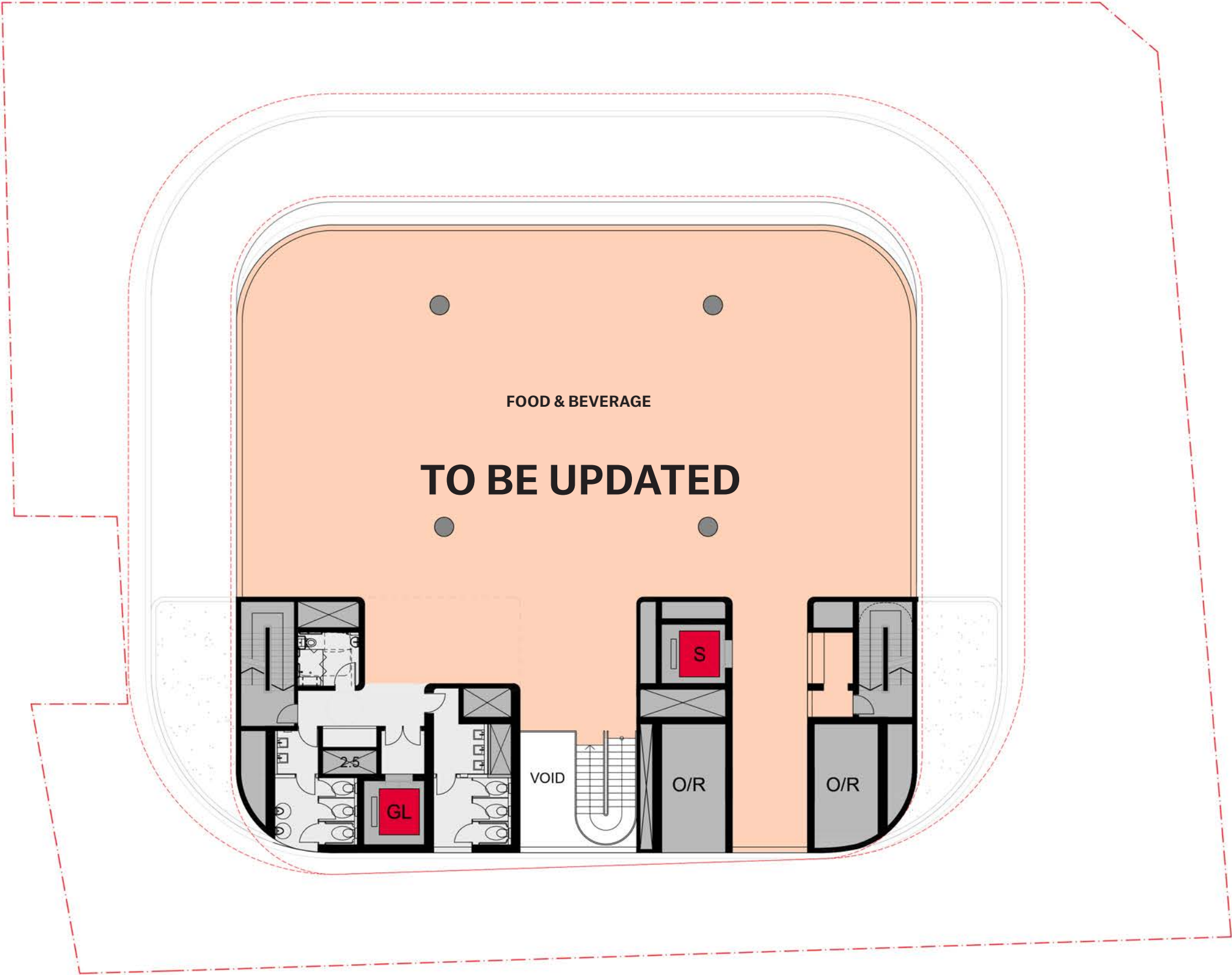
**LEVEL 51&52**  
Food & Beverage Lounge



1:200 @ A3



**LEVEL 50**  
Food & Beverage Lounge



1:200 @ A3





LEVEL 51 PLANT



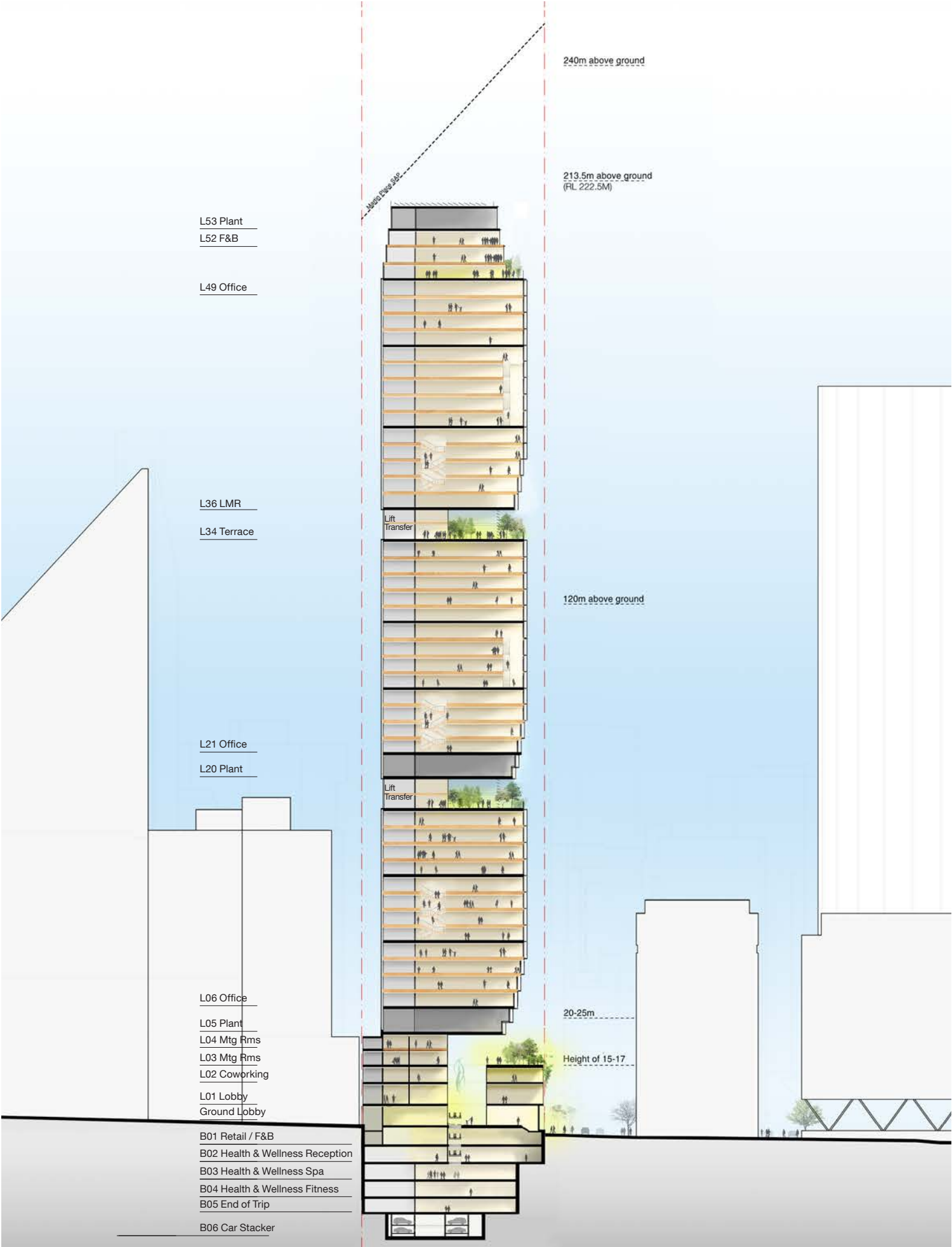
1:200 @ A3





INDICATIVE SECTION

1:1000 @ A3





AREAS SCHEDULE

R. L.	DESCRIPTION	LEVEL	HEIGHT m	Envelope			Combined AA + FZ			GBA		CORE		GFA	GFA
				Area	Volume	layered	Area	Volume	layered	Area	Volume	Allowance			Area
				m <sup>2</sup>	m <sup>3</sup>	volume	m <sup>2</sup>	m <sup>3</sup>	volume	m <sup>2</sup>	m <sup>3</sup>	(Excl. GFA) m <sup>2</sup>			m <sup>2</sup>
				GEA			(eg. part levels / / roof of 15-17)			(eg. Tapering & soffits / envelope Δ / roof of 15-17)					
222.50	TOP OF ENVELOPE			Glazing Setback to Hunter St:											
214.90	Above Plant (Above RL 216.0)		7.60	567 ,	873	4,646	567	4,646		0	0				
208.90	PLANT	10.50m	51	873	5,239		132	793		741	4,446				
205.15	Lounge Upper Level / Mezzanine	9.30m	50	1,196 ,	873	3,613	388 ,	65	475	808	3,030	143	78		666
201.40	Lounge Roof Terrace (2m Balustrade)	8.70m	49	1,264 ,	1,196	4,677	424 ,	356	1,544	840	3,152	143	78		698
197.65			48	1,264	4,742		82	309		1,183	4,433	143	80		1,040
193.90			47	1,264	4,742		82	309		1,183	4,433	143	80		1,040
190.15			46	1,264	4,742		82	309		1,183	4,433	143	80		1,040
186.40			45	1,264	4,742		82	309		1,183	4,433	143	80		1,040
182.65			44	1,264	4,742		82	309		1,183	4,433	143	80		1,040
178.90			43	1,264	4,742		82	309		1,183	4,433	143	80		1,040
175.15			42	1,264	4,742		82	309		1,183	4,433	143	80		1,040
171.40		4.75 = 4m + 750mm Façade Zone	41	1,264	4,742		82	309		1,183	4,433	143	80		1,040
167.65		Glazing Setback to Hunter St:	40	1,264	4,742		82	309		1,183	4,433	143	80		1,040
163.90		4.75m typical	39	1,264	4,742		82	309		1,183	4,433	143	80		1,040
160.15		5.35m Δ 0.60m	38	1,264	4,742		102	380	layered	1,162	4,361	143	80		1,020
156.40	HIGH RISE OFFICE	5.95m Δ 0.60m	37	1,264	4,742		123	459	layered	1,142	4,283	143	80		999
152.65	Motor Room Level	6.55m Δ 0.60m	36	1,264	4,742		143	537	layered	1,121	4,205	183	78		938
148.90	Lift Over Run / Void	9.00m Δ 2.45m	35	1,264	4,742		507	1,698	layered	757	3,043	174	75		563
145.15	Terrace / Lift Tranfer Level	9.00m Δ 0.00m	34	1,264	4,742		507	1,901		757	2,840	172	102		570
141.40			33	1,264	4,742		82	309		1,183	4,433	183	78		999
137.65			32	1,264	4,742		82	309		1,183	4,433	183	78		999
133.90			31					309		1,183	4,433	183	78		999
130.15			30					309		1,183	4,433	183	78		999
126.40			29					309		1,183	4,433	183	78		999
122.65			28					309		1,183	4,433	183	78		999
118.90			27					309		1,183	4,433	183	78		999
115.15			26					309		1,183	4,433	183	78		999
111.40		4.75 = 4m + 750mm Façade Zone	25					309		1,183	4,433	183	78		999
107.65		Glazing Setback to Hunter St:	24					309		1,183	4,433	183	78		999
103.90		4.75m typical	23					309		1,183	4,433	183	78		999
100.15	MID RISE OFFICE	5.35m Δ 0.60m	22	1,264	4,742		102	380	layered	1,162	4,361	183	78		979
96.40	Fire stair transfer level	5.95m Δ 0.60m	21	1,264	4,742		123	459	layered	1,142	4,283	193	90		949
90.40	Plant / Lift MR	6.55m Δ 0.60m / 7.15m Δ 0.60m	20	1,287	7,725	layered	153	904	layered	1,134	6,821				
86.65	Meeting Rooms	9.00m Δ 1.85m	19	1,311	4,998	layered	504	1,688	layered	807	3,310	263	117		591
82.90	Terrace / Lift Tranfer Level	9.00m Δ 0.00m	18	1,341	5,027		504	1,890	layered	837	3,137	268	117		591
79.15			17	1,341	5,027		82	309		1,259	4,718	223	79		1,032
75.40			16	1,341	5,027		82	309		1,259	4,718	223	79		1,032
71.65			15	1,341	5,027		82	309		1,259	4,718	223	79		1,032
67.90			14	1,341	5,027		82	309		1,259	4,718	223	79		1,032
64.15	LOW RISE OFFICE		13	1,341	5,027		82	309		1,259	4,718	223	79		1,032
60.40			12	1,341	5,027		82	309		1,259	4,718	223	79		1,032
56.65		4.75 = 4m + 750mm Façade Zone	11	1,341	5,027		82	309		1,259	4,718	223	79		1,032
52.90		Glazing Setback to Hunter St:	10	1,341	5,027		82	309		1,259	4,718	223	79		1,032
49.15		4.75m typical	9	1,341	5,027		82	309		1,259	4,718	223	79		1,032
45.40		5.25m Δ 0.50m	8	1,341	5,027		103	383	layered	1,238	4,644	223	79		1,015
41.65		6.00m Δ 0.75m	7	1,341	5,027		128	478	layered	1,212	4,549	223	79		989
37.90		6.90m Δ 0.90m	6	1,341	5,027		159	593	layered	1,181	4,434	223	79		958
31.90	Podium Plant	8.00m Δ 1.10m / 9.50m Δ 1.50m	5	1,341	7,737		188	1,532	layered	1,153	6,204				
28.15	Podium Level 04	Meeting Rooms	4	1,622	6,526	layered	766	2,746	layered	856	3,780				621
24.40	Terrace / L03	Hunter St Podium Roof Terrace	3	2,101	6,653	layered	1,186	2,939	layered	915	3,714				677
20.40	Podium Level 02	Co-working	2	2,101	8,262		513	2,054		1,587	6,209				1,378
15.40	Podium Level 01	Commercial Lobby	1	2,101	10,609		554	2,772	layered	1,546	7,837				1,352
10.40 *	Ground Level	Laneway Retail	GL	2,101	10,503	layered	584	2,921	layered	1,517	7,583				1,048
6.10	Basement B01	Food Market & Bligh Metro / Loading	B01	1,647						1,775					555
2.00	Basement B02	Health + Wellness Reception	B02	1,647						1,775					687
-2.00	Basement B03	Health + Wellness Treatments & Studios	B03	1,647						1,549					1,335
-6.00	Basement B04	Health + Wellness Gym	B04	1,647						1,549					1,335
-9.50	Basement B05	End of Trip	B05	1,647						1,549					1,335
-15.00	Basement B06	Commercial Car Stackers	B06	808						952					

\* Highest existing footpath RL outside vehicular entry zone is RL 10.40, and lowest existing footpath RL is RL 8.70.

		Envelope		Façade Zone + Articulation		GBA		CORE A.	FSR	GFA	
		Area	Volume	Area	Volume	Area	Volume	Area			
Site Area:	2,108.1 m²	Above Ground	70,693 m²	279,300 m³	10,912 m²	43,442 m³	59,781 m²	235,769 m³	8,127	22.43 : 1	47,284 m²
		Below Ground:									
		Total:									



# Timber Casette Construction Precedents



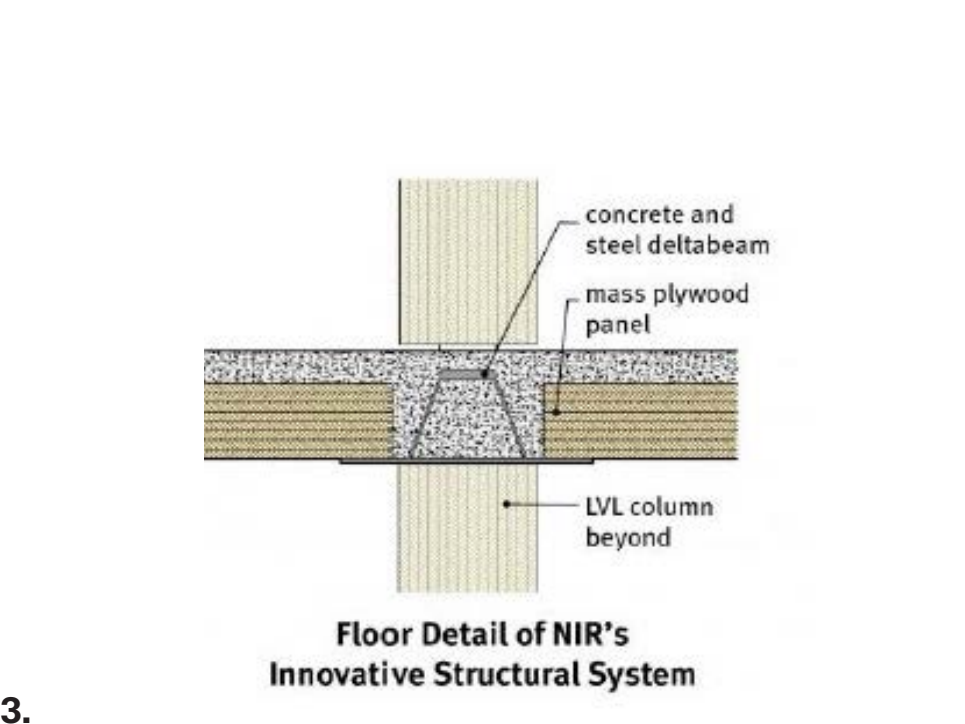
1.



2.



4.



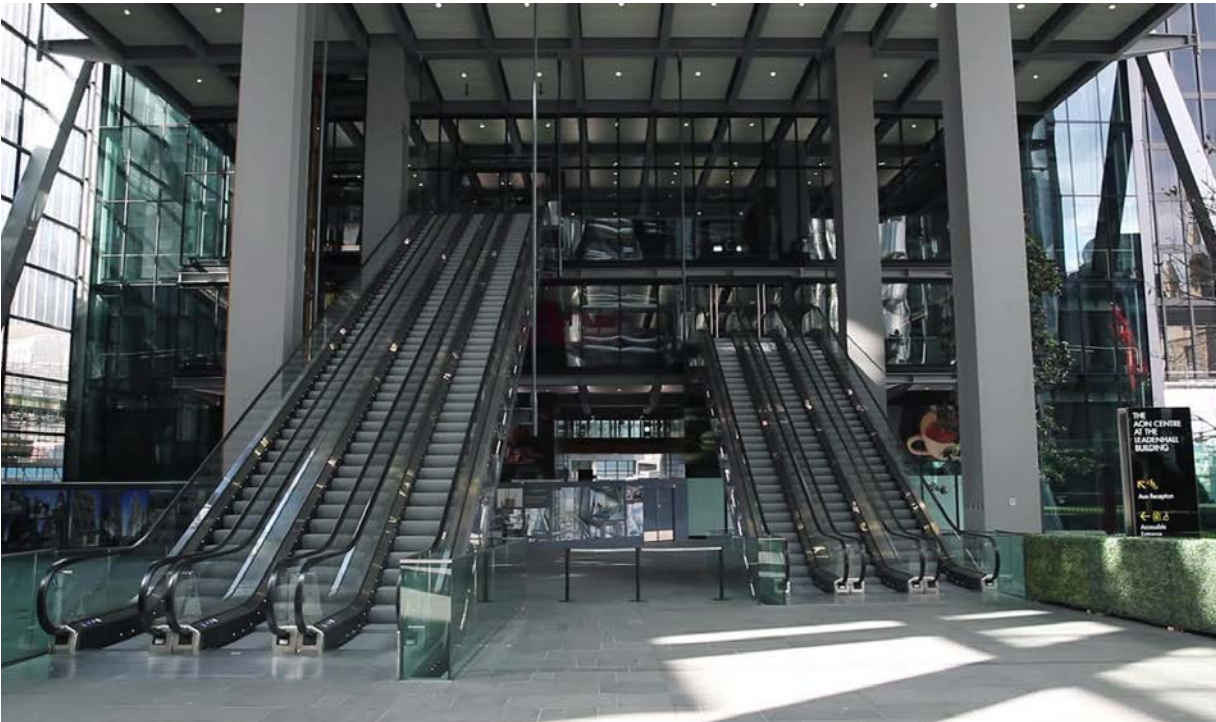
3.



5.

- Clockwise Top L-R:
- 1. Adidas North American Headquarters, Portland
  - 2. Adidas North American Headquarters, Portland
  - 3. New Industrial Revolution Centre Biotech Labs, Portland
  - 4. New Industrial Revolution Centre Biotech Labs, Portland
  - 5. Adidas North American Headquarters, Portland







# Design Advisory Panel Feedback

PEDESTRIAN PRIORITY IN THE LANEWAYS

DAP was concerned that the creation of a pedestrian priority laneway with outdoor dining is not compatible with the constraints of vehicle access and servicing requirements, and compounded by issues of flooding and universal access. It is noted that the revised reference scheme ground floor plan provided on 10 December 2021 removes the pedestrian and vehicle shared laneway arrangement.

Retail activation would be required within the lanes to ensure these spaces are attractive and do not appear as a ‘back of house’ area. This should be detailed on updated reference plans.

PARKING AND SERVICE VEHICLE SPACE

The revised ground floor plan increases the service vehicle spaces from 4 to 6 (potentially 7) spaces, however this is still considered to be too low, noting the DCP requires 17 spaces. This suggests the proposal is trying fit on the ground floor what would normally be provided below ground.

DAP recommended a review of the cycle access and amenity proposed. Potential conflicts between vehicles, pedestrians and cyclists need to be minimised, and any lifts to the end of trip facilities need to be of an appropriate size to accommodate bikes. The location of the end of trip facilities, and how these will be accessed, are not clear on the updated ground floor plan and this information will need to be provided in revised documentation.

BASEMENT DESIGN

DAP was concerned about the proposed five levels of underground retail/gym, and how the underground levels interface with the Tank Stream tunnels. DAP questioned the viability of the underground retail if they are not connected to the Metro station and associated underground access. It was also noted that the five levels of underground retail exacerbate the loading and servicing issues.

Updated plans would need to be provided to detail any changes to this proposed arrangement. Any through-site pedestrian links to the future Metro to the west will need careful coordination regarding access widths and levels. This is not yet evident.

It is also recommended that if there are discussions with Metro regarding potential connections with this site, these should be provided to us so we understand this and can incorporate these into our considerations of controls for the site.

HERITAGE

DAP supported the heritage listing of 15-17 Hunter Street, although further investigation is needed on the interface between new and old at ground floor, and heritage objects in the building. There is also a need to acknowledge the Tank Stream in the public domain.

Details should be provided for the treatments of the ground and upper floors of the rear of this building, including the hoists , which should be visible due to their heritage significance. It is also unclear how this building would relate to the flood planning levels in the laneway.

ARTICULATION ALLOWANCE

DAP recommended that refinement of the building envelope should provide the previously recommended 15% articulation provision.

ADDRESSED ✓

Laneway is completely pedestrianized. All vehicular traffic is via Pitt Street. Due to flooding requirements, it is not possible to use a conventional ramp to go up, crest, and go down fast enough to go under the laneway. As such, vehicular lifts are used.

ADDRESSED ✓

16 spaces for service vehicles / couriers are provided. This is comprised of: five spaces at L00 (including two MRV bays), four spaces at B01, & seven spaces at B02.

Traffic engineers at WSP have reviewed the proposed design and believes the revised layouts will provide a succesful level of amenity & service.

ADDRESSED ✓

A clear ground level link is provided to Metro Hunter Street.

A direct B01 connection to Metro's Bligh Street entrance is envisaged.

Only 2 levels are considered to be F&B.

B03 & B04 are Gym / Spa, with EOT at B05.

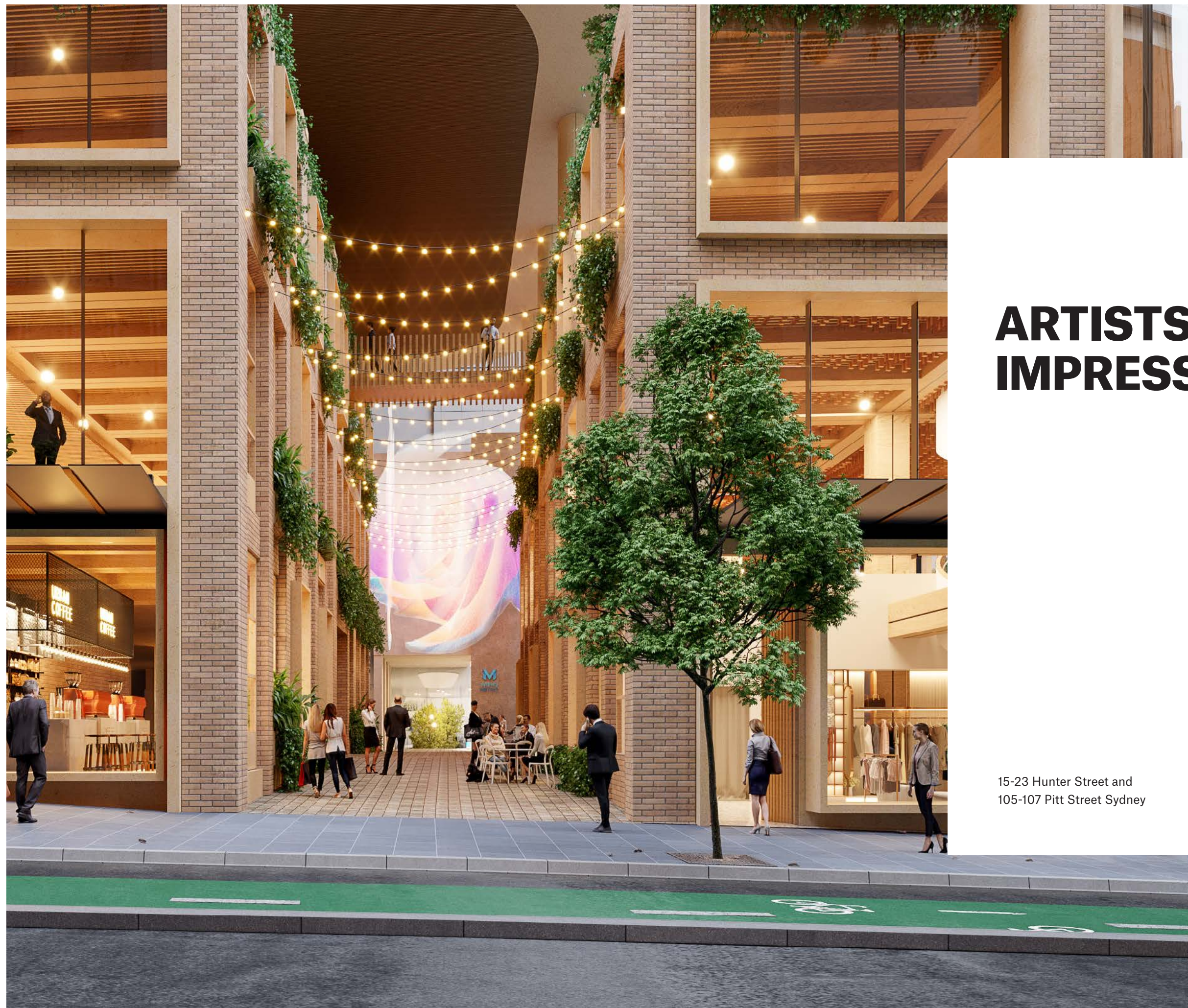
ADDRESSED ✓

The rear of 15-17 Hunter Street is predominantly retained in the current proposal. Specifically the upper levels with be retained in their current configuration. The lower two levels of the rear will include strategic openings to allow pedestrain flow to the metro concourse. The hoists and arches will be retained, and reference to the original function of the rear as a warehouse style loading area will be provided.

ADDRESSED ✓

The requested articulation level has been adopted.

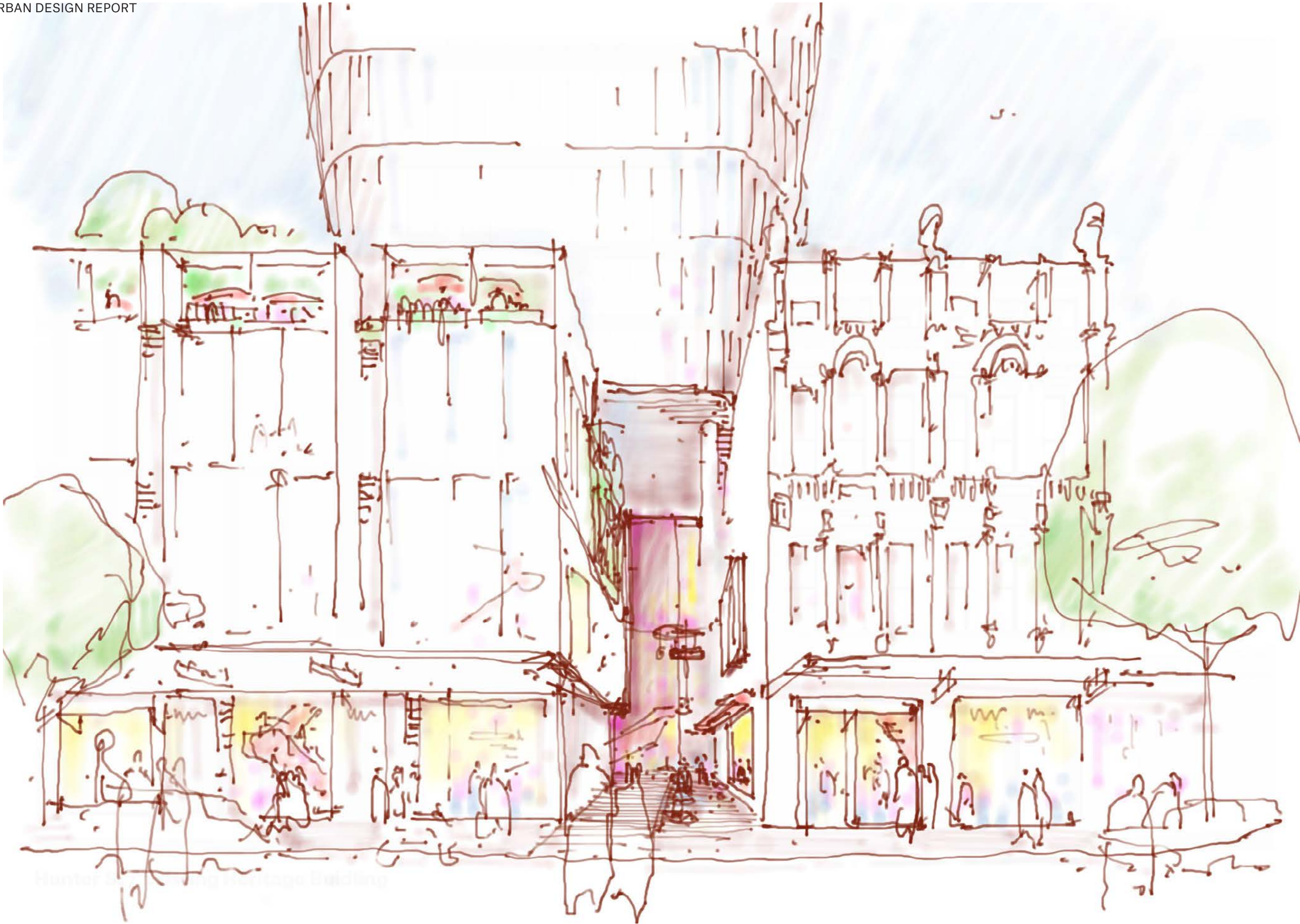




# ARTISTS' IMPRESSIONS

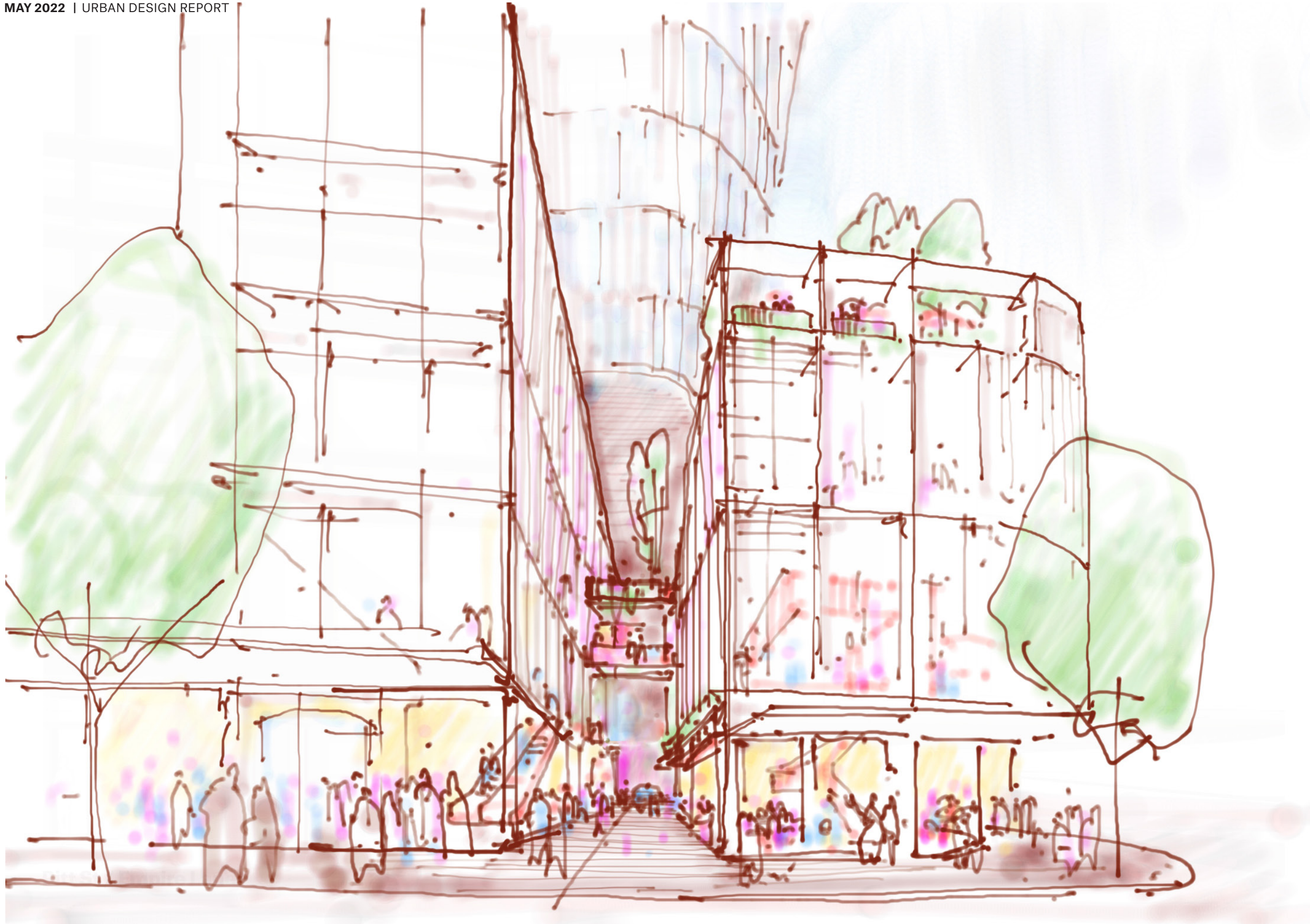
15-23 Hunter Street and  
105-107 Pitt Street Sydney





Hunter Lane





## Empire Lane



Corner of Hunter  
& Pitt Streets

BATES SMART





# Hunter Street Looking East

BATES SMART





# Pitt Street Looking North

BATES SMART















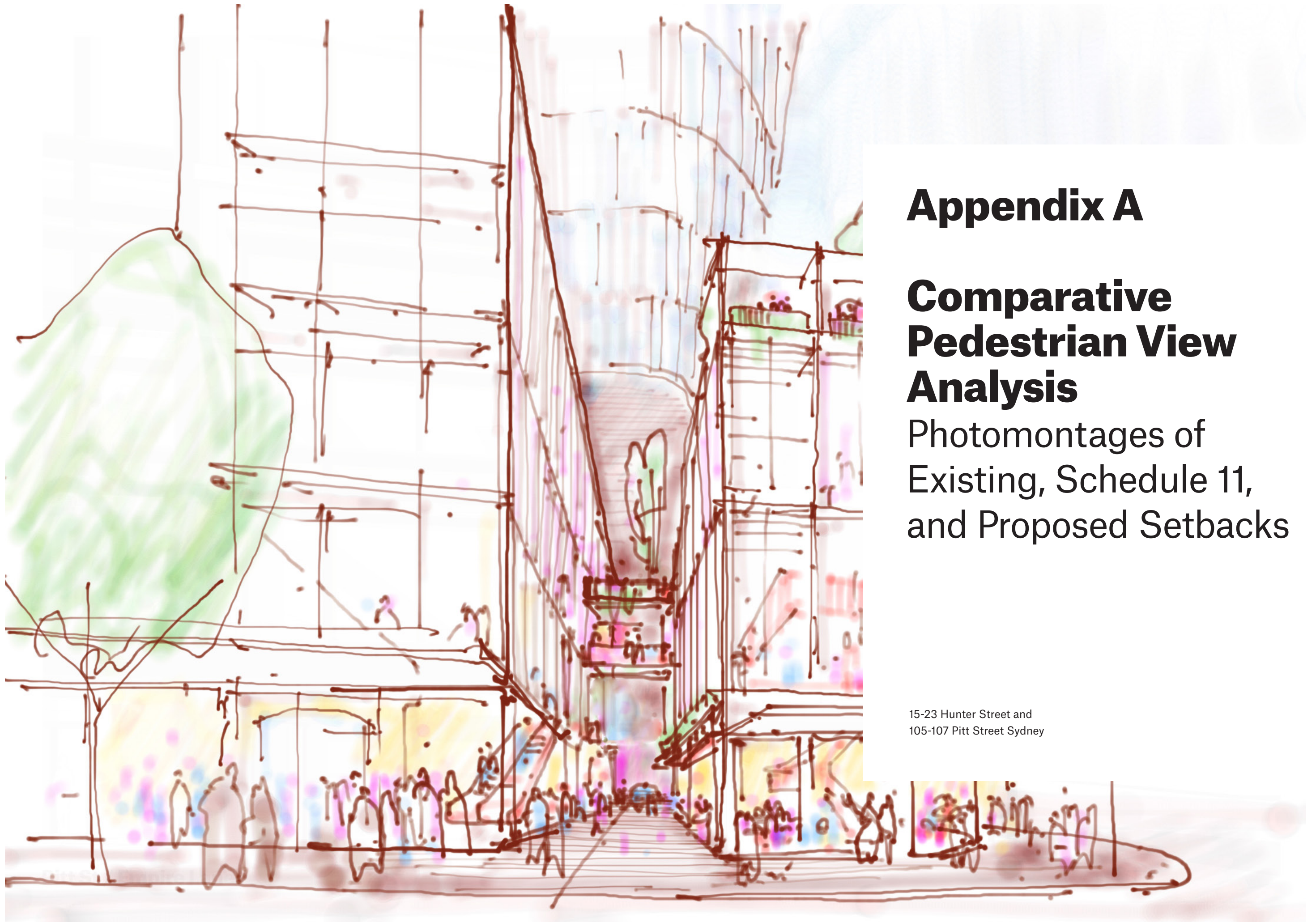












## **Appendix A**

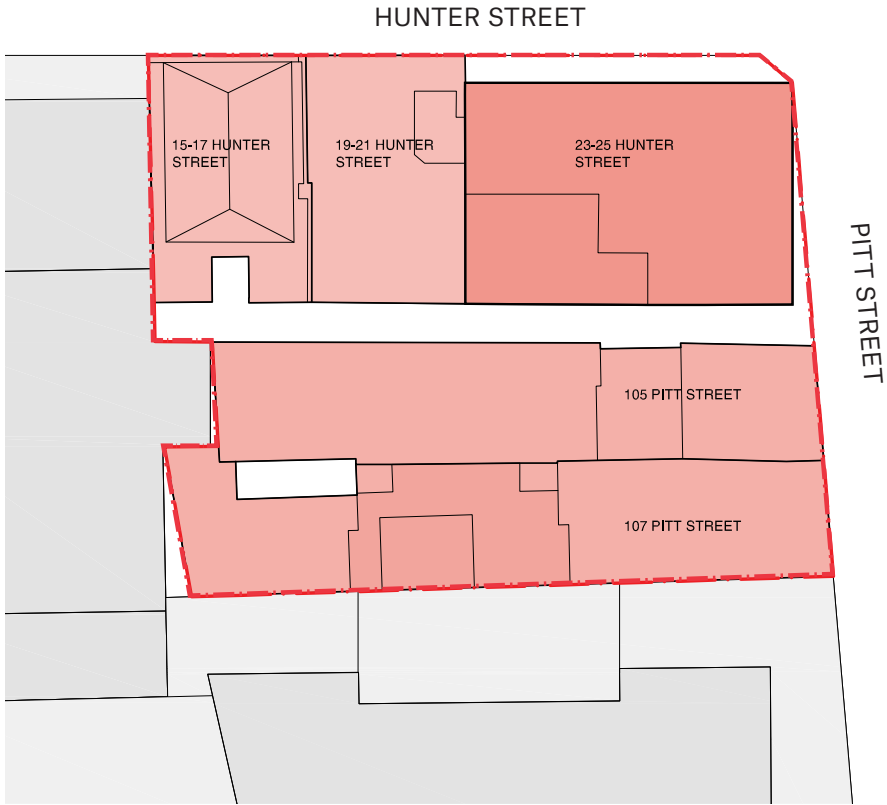
### **Comparative Pedestrian View Analysis**

Photomontages of  
Existing, Schedule 11,  
and Proposed Setbacks

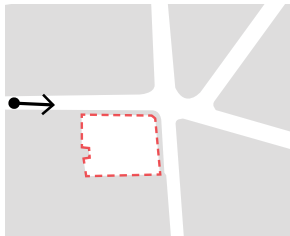
15-23 Hunter Street and  
105-107 Pitt Street Sydney



COMPARATIVE PEDESTRIAN VIEW ANALYSIS



EXISTING SITE CONTEXT

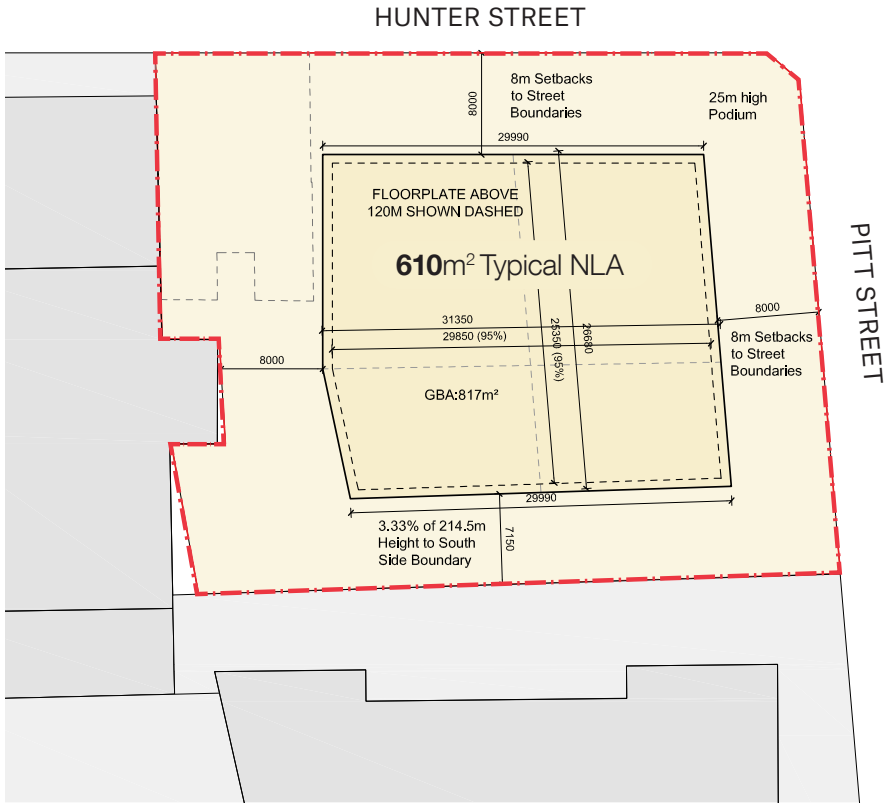


VIEW 1 - Looking east along Hunter Street



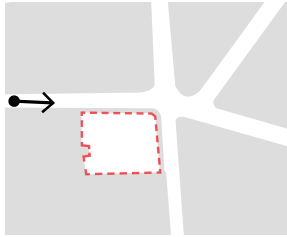


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



SCHEDULE 11 ENVELOPE TOWER SETBACKS

Pitt Street	8m
Hunter Street	8m
Western Boundary	8m
Southern Boundary	7.15m

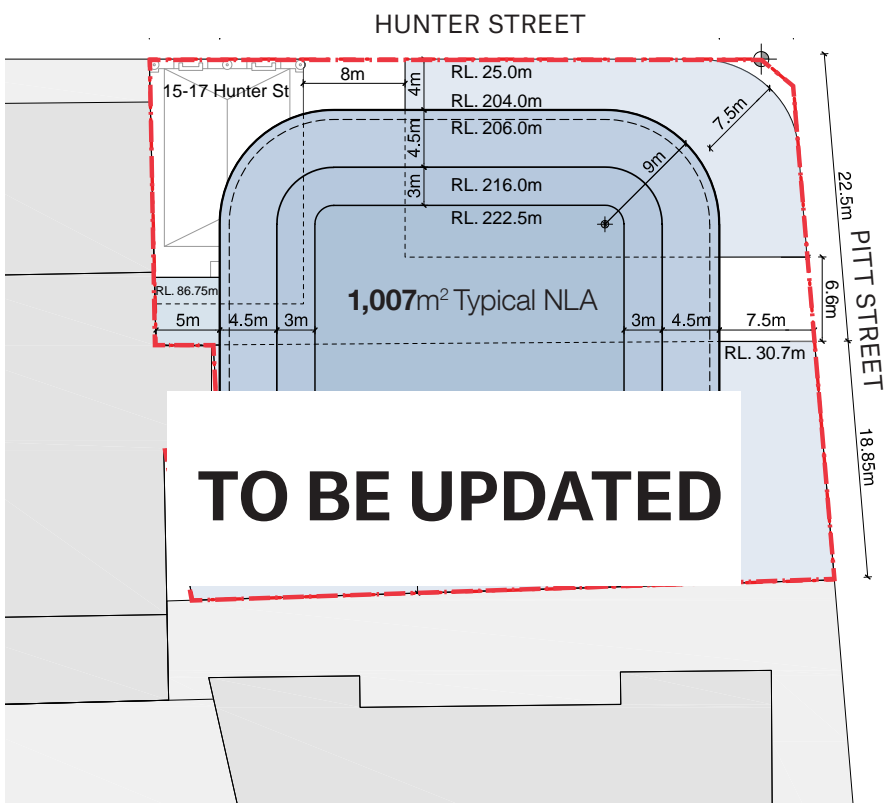


VIEW 1 - Looking east along Hunter Street



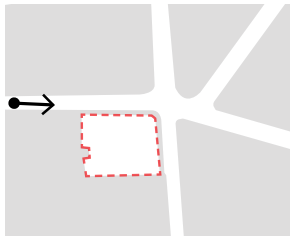


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



PROPOSED ENVELOPE TOWER SETBACKS

Pitt Street	7.5m average
Hunter Street	4m
Western Boundary	5.5m max.
Southern Boundary	4m

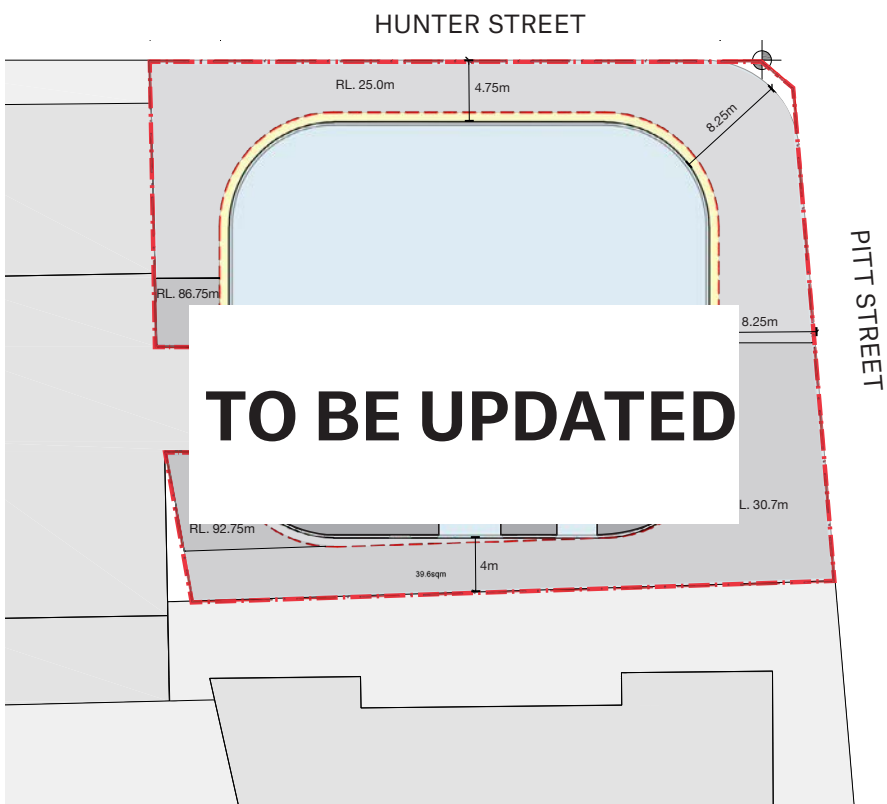


VIEW 1 - Looking east along Hunter Street



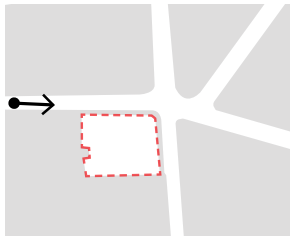


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



REFERENCE DESIGN TOWER SETBACKS

Pitt Street	8.25m average
Hunter Street	4.75m
Western Boundary	6.25m max.
Southern Boundary	4m

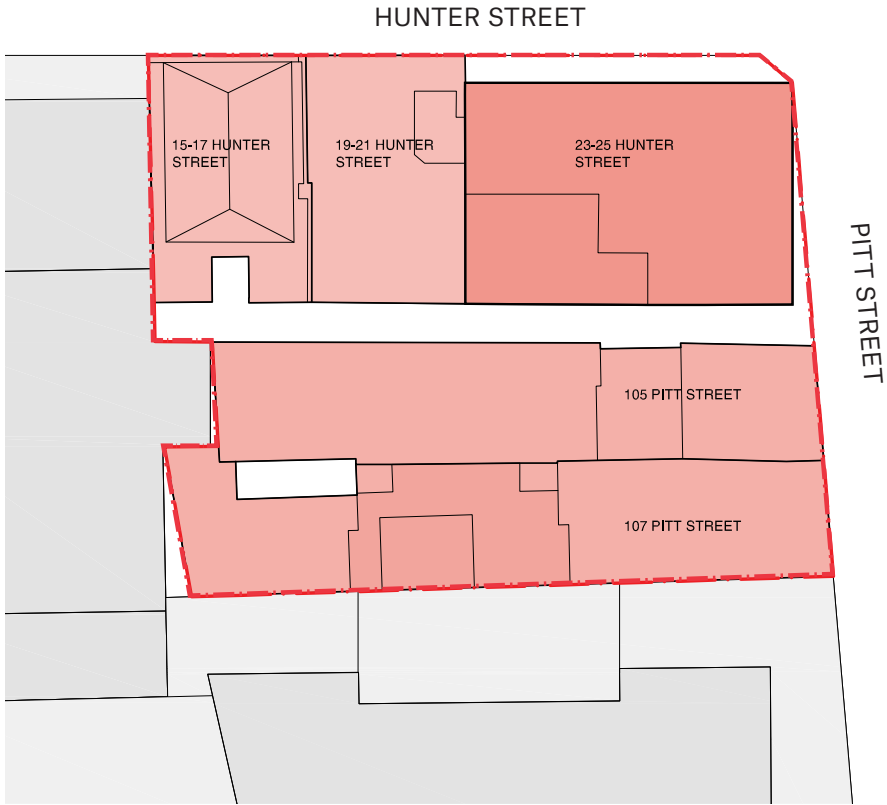


VIEW 1 - Looking east along Hunter Street

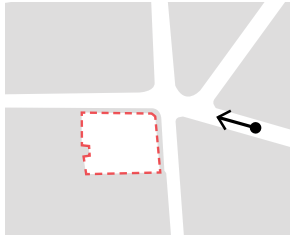




COMPARATIVE PEDESTRIAN VIEW ANALYSIS



EXISTING SITE CONTEXT

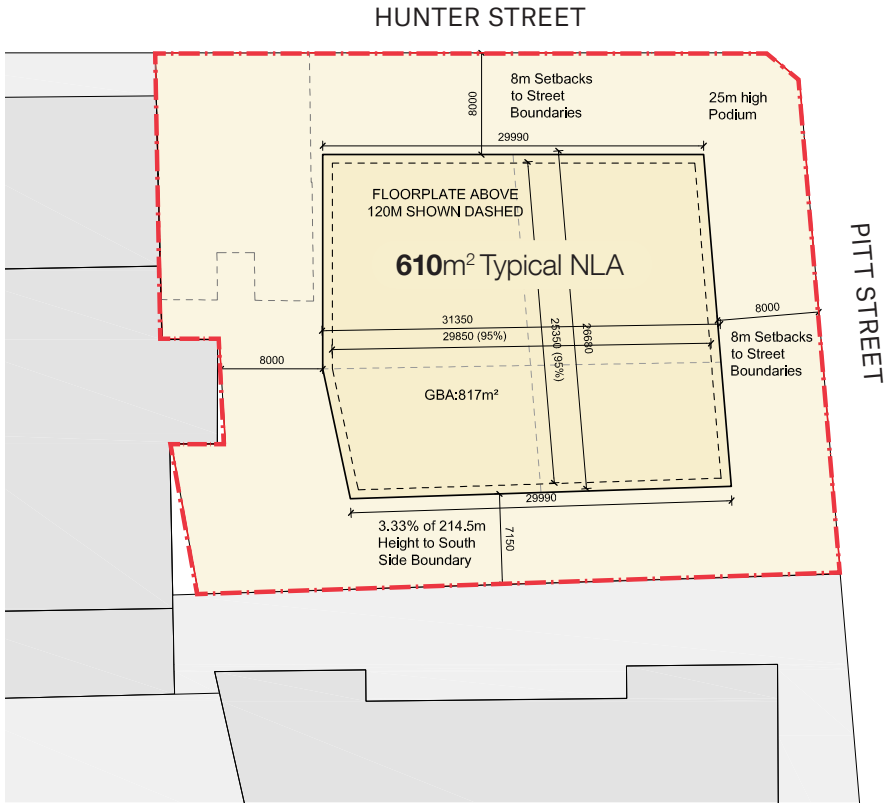


VIEW 2 - Looking west along Hunter Street



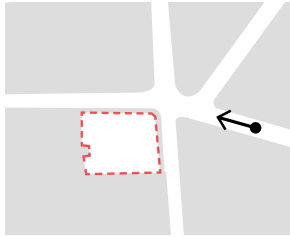


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



SCHEDULE 11 ENVELOPE TOWER SETBACKS

Pitt Street	8m
Hunter Street	8m
Western Boundary	8m
Southern Boundary	7.15m

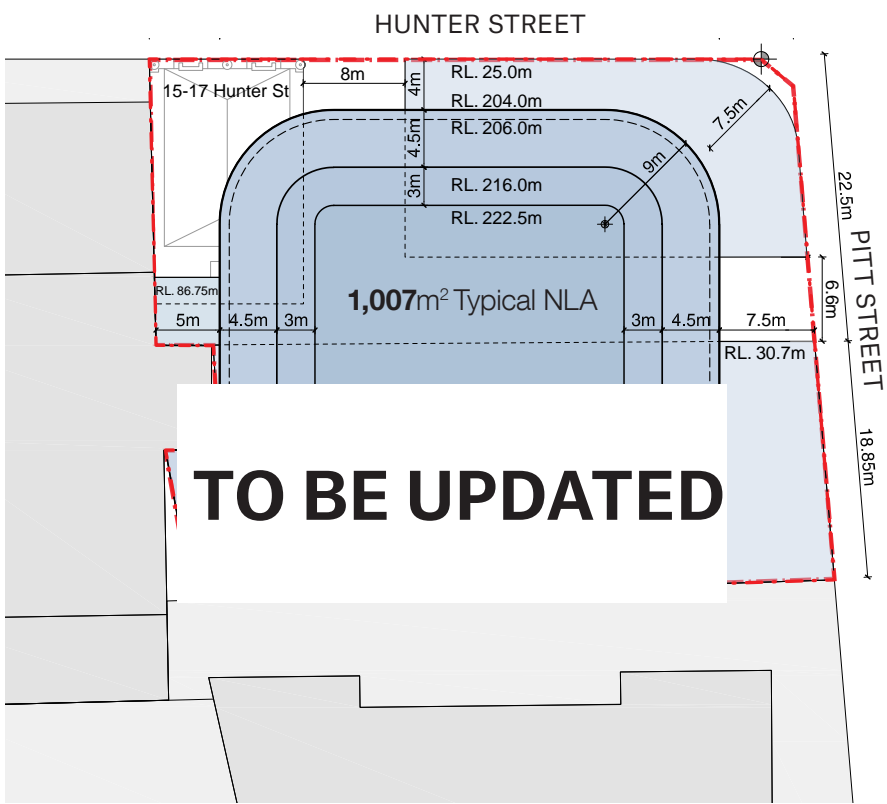


VIEW 2 - Looking west along Hunter Street



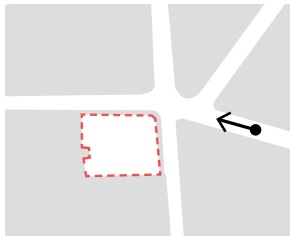


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



PROPOSED ENVELOPE TOWER SETBACKS

Pitt Street	7.5m average
Hunter Street	4m
Western Boundary	5.5m max.
Southern Boundary	4m

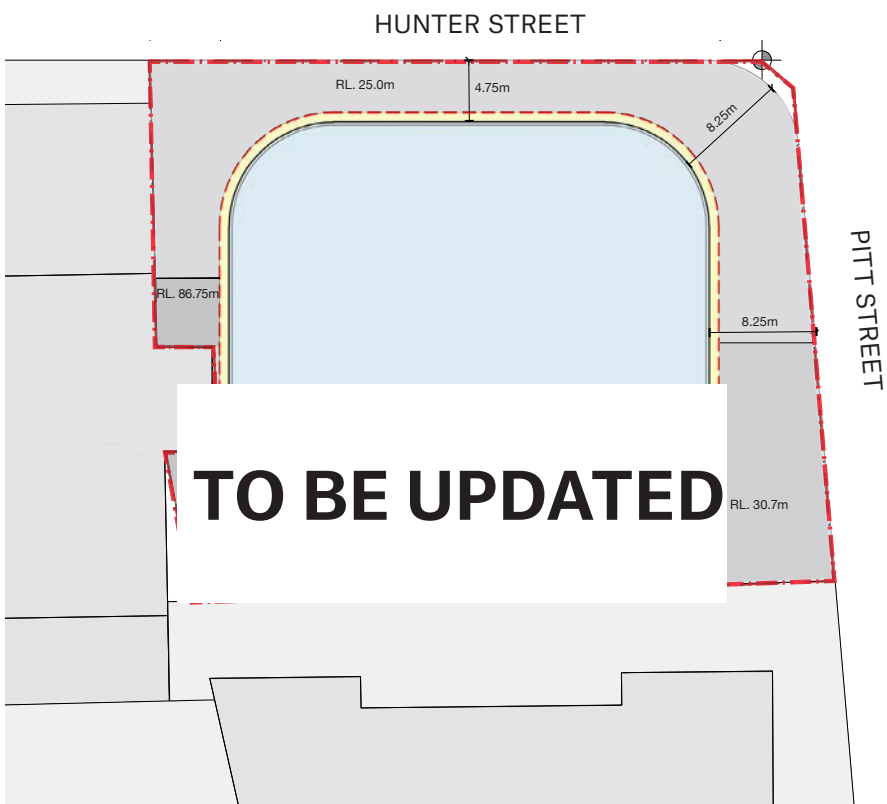


VIEW 2 - Looking west along Hunter Street



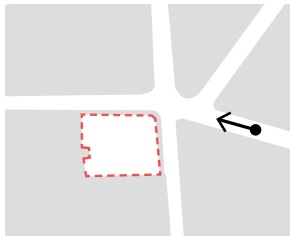


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



REFERENCE DESIGN TOWER SETBACKS

Pitt Street	8.25m average
Hunter Street	4.75m
Western Boundary	6.25m max.
Southern Boundary	4m

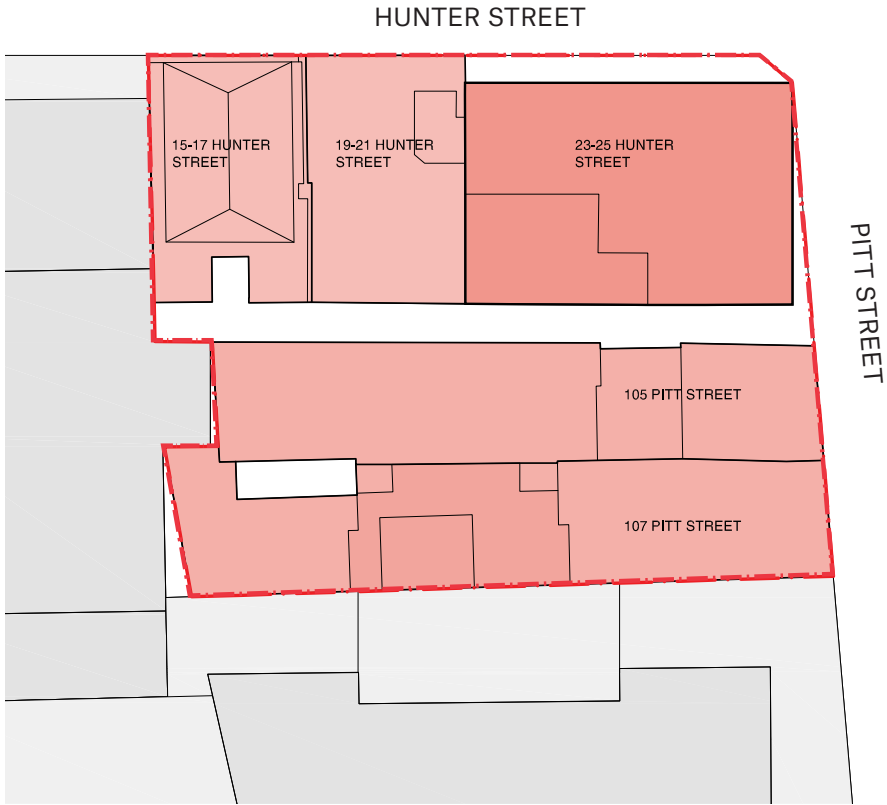


VIEW 2 - Looking west along Hunter Street

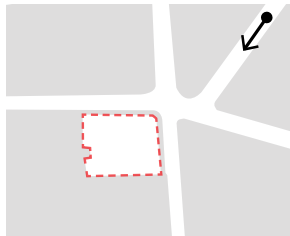




COMPARATIVE PEDESTRIAN VIEW ANALYSIS



EXISTING SITE CONTEXT

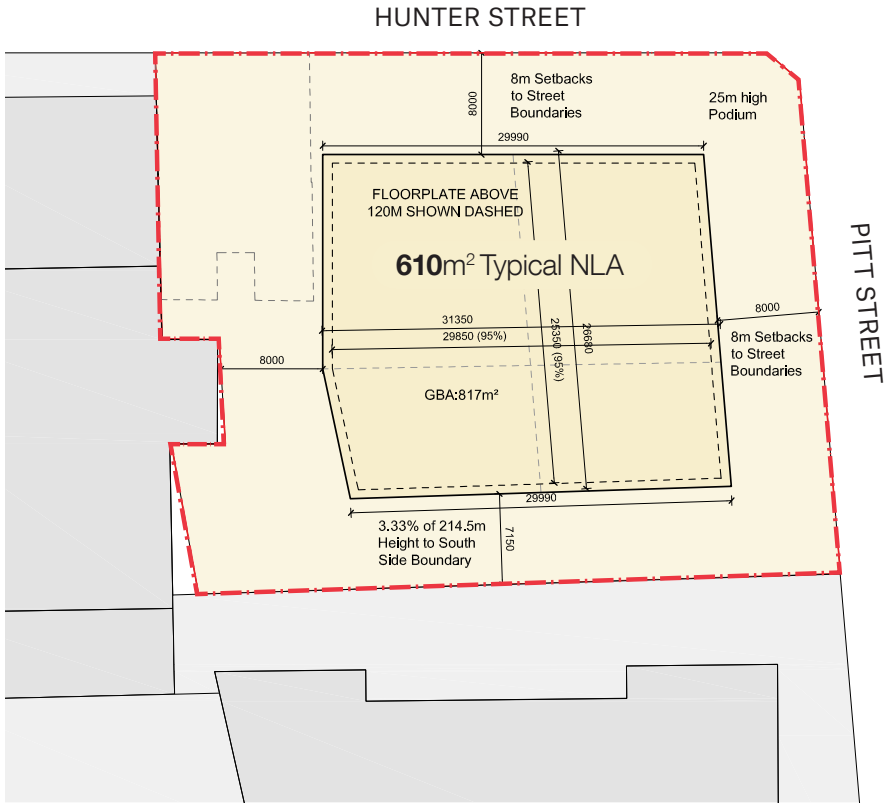


VIEW 3 - Looking south-west along O'Connell Street



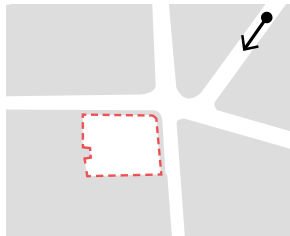


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



SCHEDULE 11 ENVELOPE TOWER SETBACKS

Pitt Street	8m
Hunter Street	8m
Western Boundary	8m
Southern Boundary	7.15m

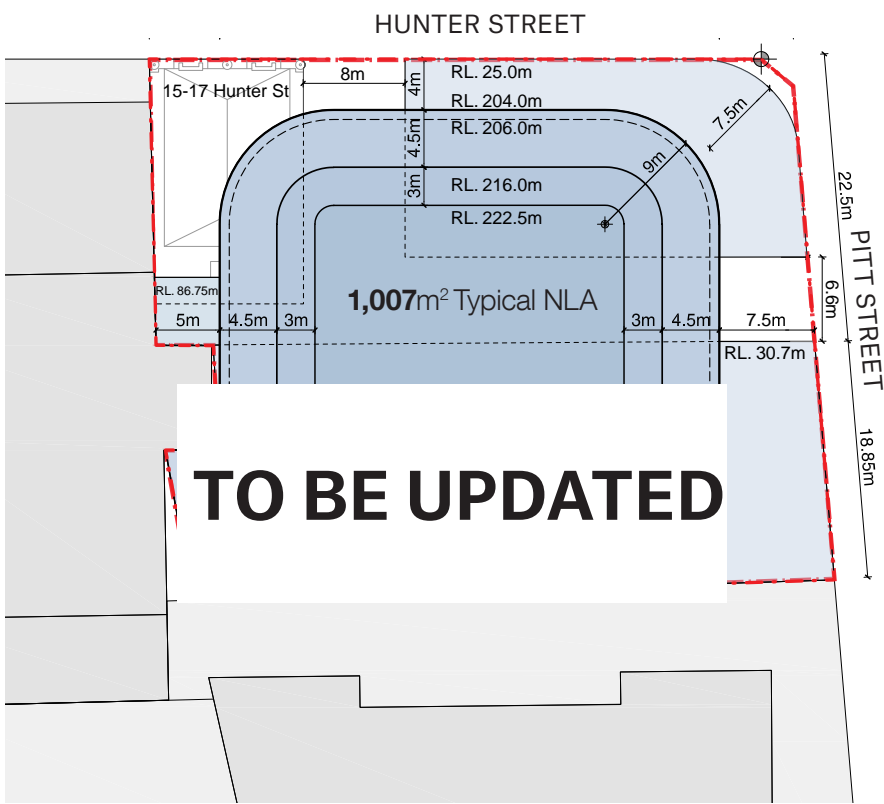


VIEW 3 - Looking south-west along O'Connell Street



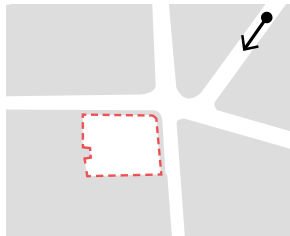


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



PROPOSED ENVELOPE TOWER SETBACKS

Pitt Street	7.5m average
Hunter Street	4m
Western Boundary	5.5m max.
Southern Boundary	4m

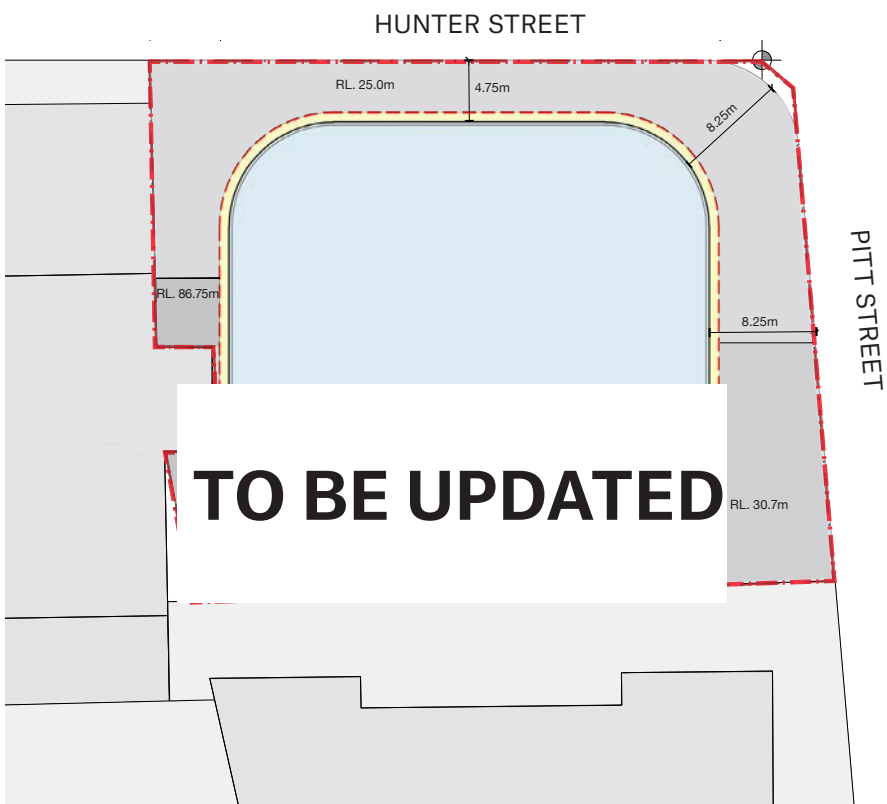


VIEW 3 - Looking south-west along O'Connel Street



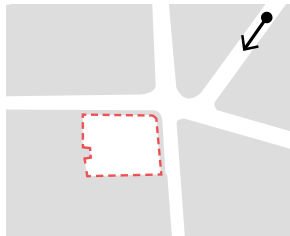


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



REFERENCE DESIGN TOWER SETBACKS

Pitt Street	8.25m average
Hunter Street	4.75m
Western Boundary	6.25m max.
Southern Boundary	4m

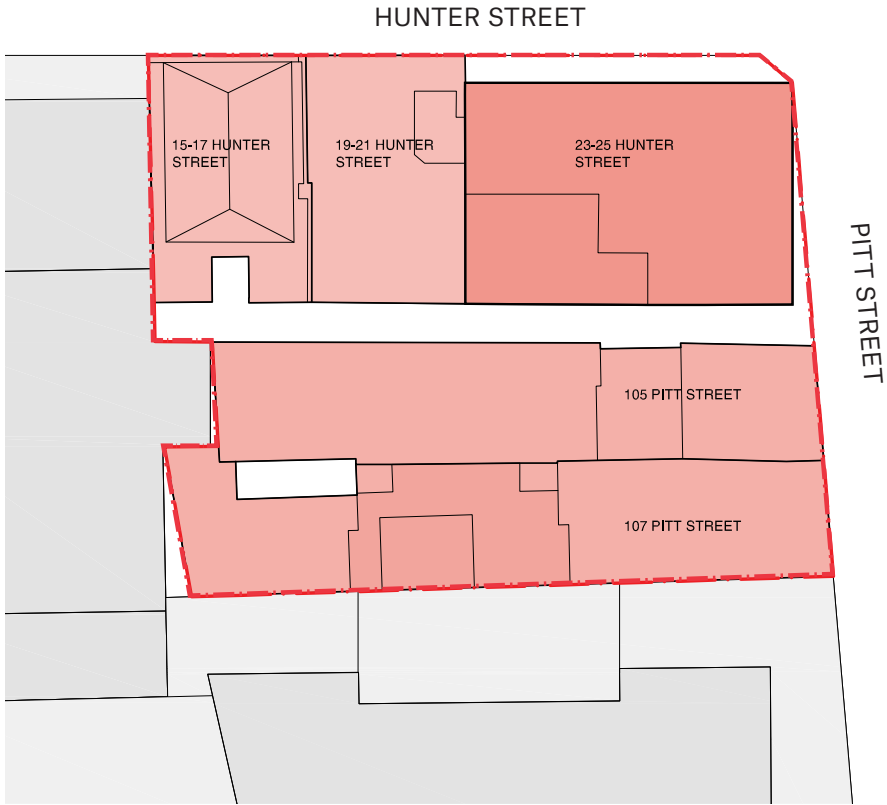


**VIEW 3** - Looking south-west along O'Connel Street

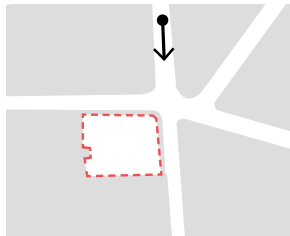




COMPARATIVE PEDESTRIAN VIEW ANALYSIS



EXISTING SITE CONTEXT

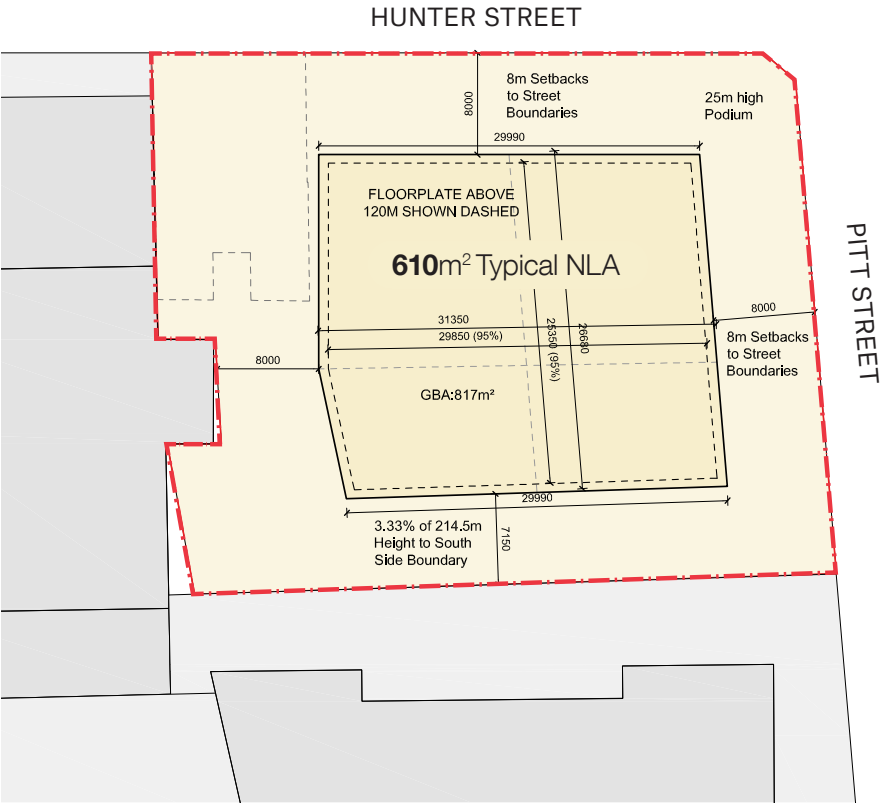


VIEW 4 - Looking south along Pitt Street



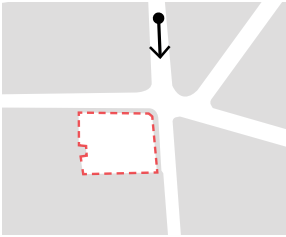


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



SCHEDULE 11 ENVELOPE TOWER SETBACKS

Pitt Street	8m
Hunter Street	8m
Western Boundary	8m
Southern Boundary	7.15m

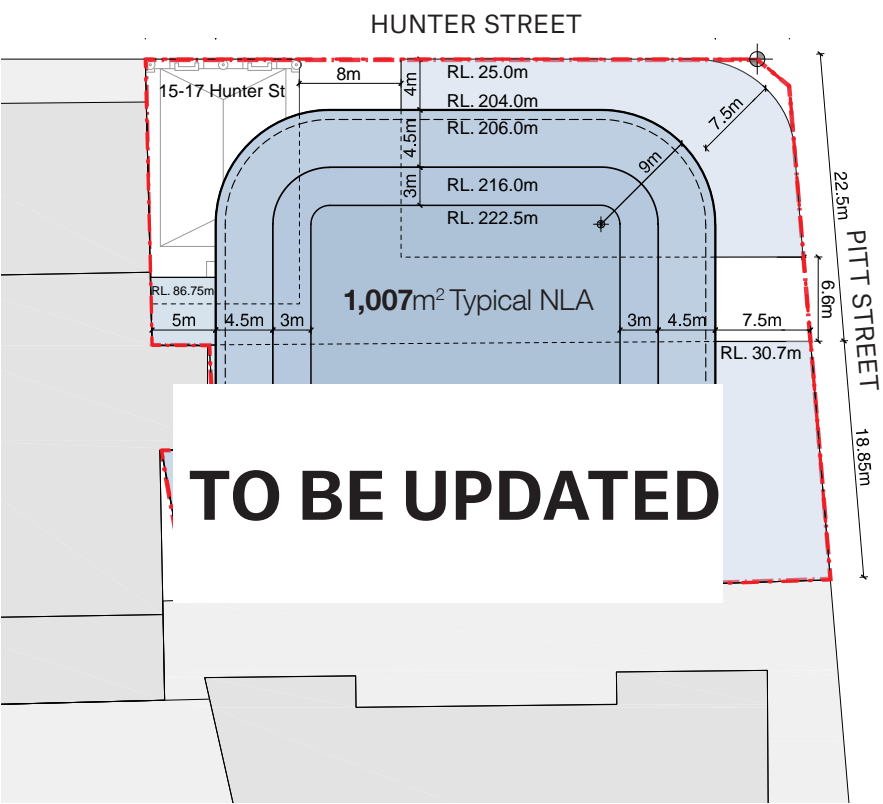


VIEW 4 - Looking south along Pitt Street



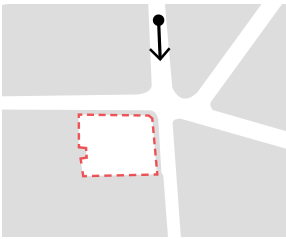


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



PROPOSED ENVELOPE TOWER SETBACKS

Pitt Street	7.5m average
Hunter Street	4m
Western Boundary	5.5m max.
Southern Boundary	4m



VIEW 4 - Looking south along Pitt Street



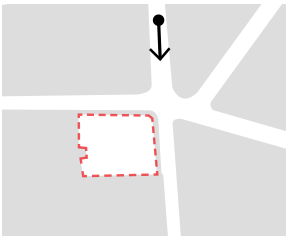


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



REFERENCE DESIGN TOWER SETBACKS

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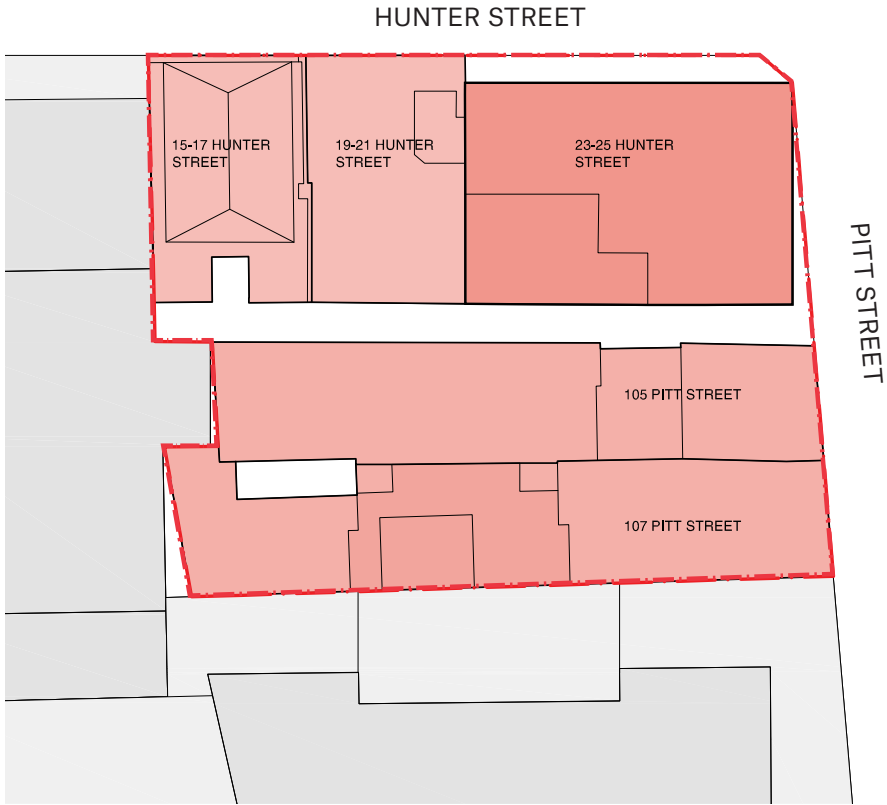


VIEW 4 - Looking south along Pitt Street

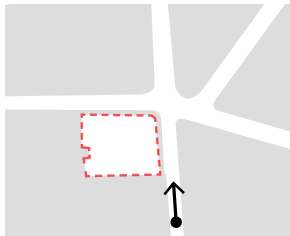




COMPARATIVE PEDESTRIAN VIEW ANALYSIS



EXISTING SITE CONTEXT

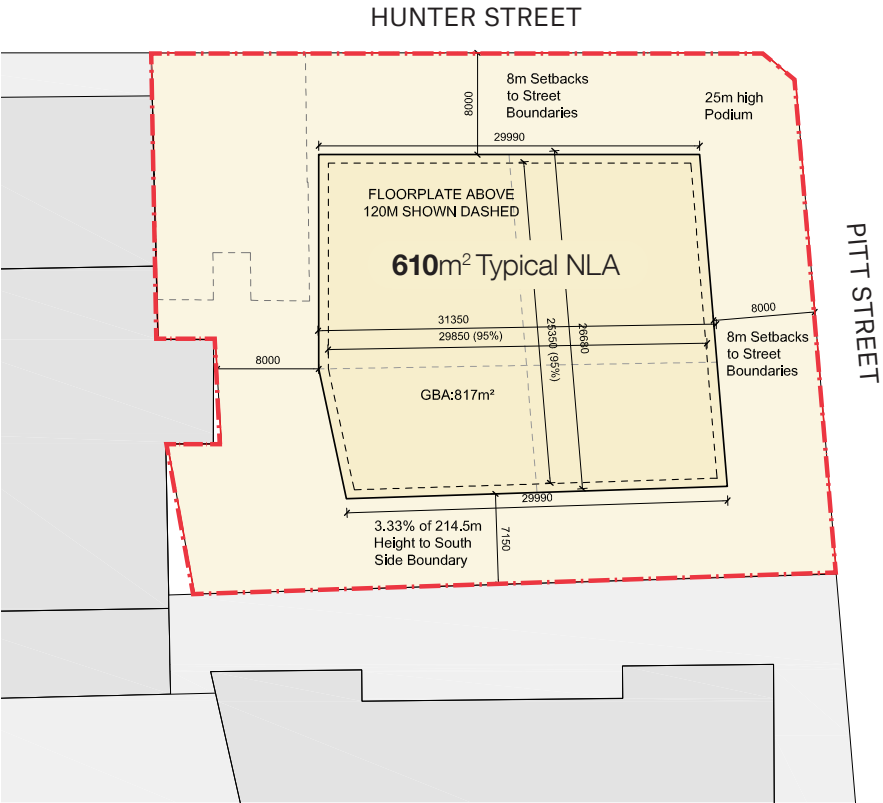


VIEW 5 - Looking north along Pitt Street



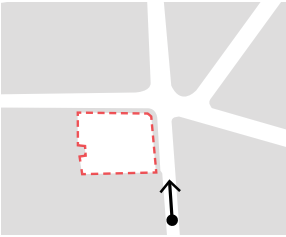


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



SCHEDULE 11 ENVELOPE TOWER SETBACKS

Pitt Street	8m
Hunter Street	8m
Western Boundary	8m
Southern Boundary	7.15m

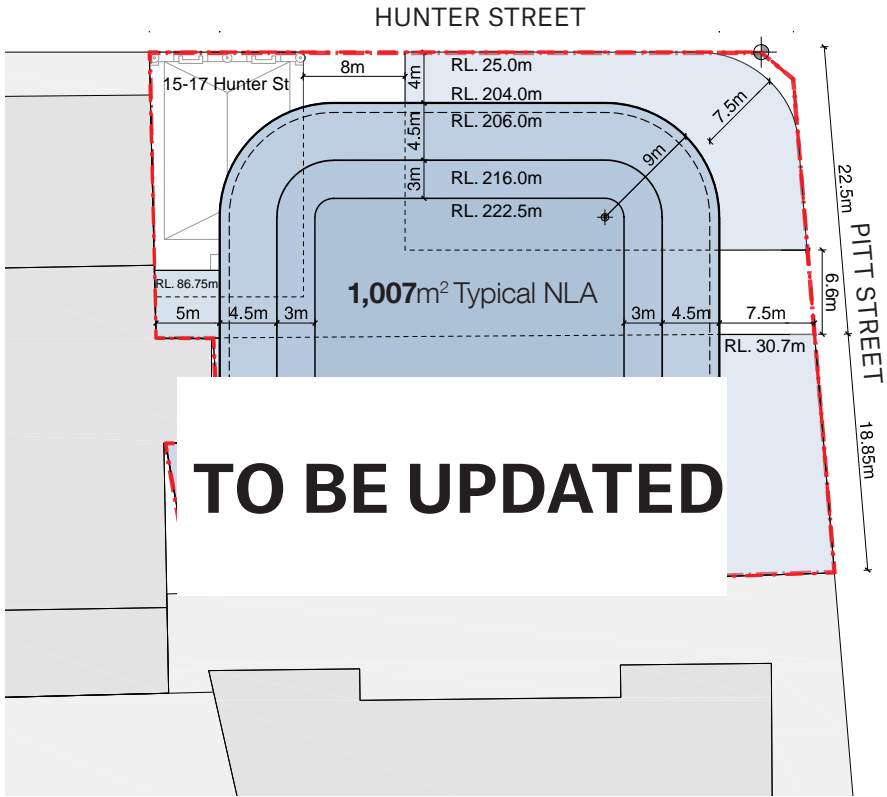


VIEW 5 - Looking north along Pitt Street



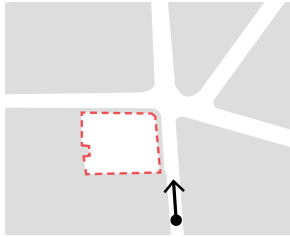


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



PROPOSED ENVELOPE TOWER SETBACKS

Pitt Street	7.5m average
Hunter Street	4m
Western Boundary	5.5m max.
Southern Boundary	4m

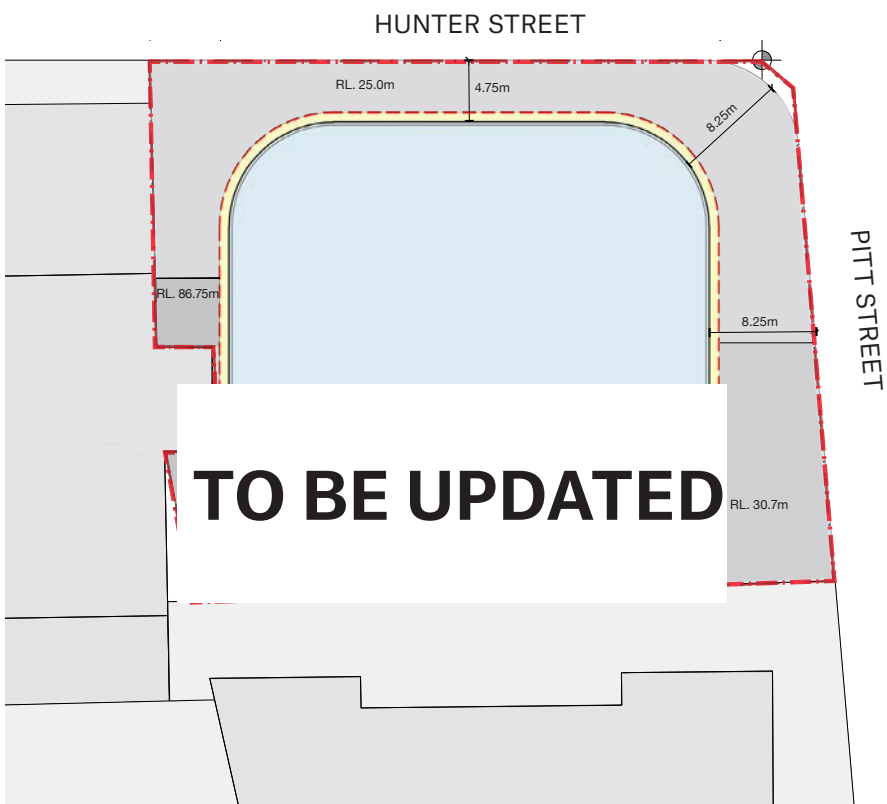


VIEW 5 - Looking north along Pitt Street



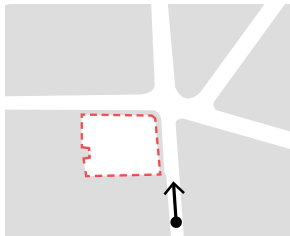


COMPARATIVE PEDESTRIAN VIEW ANALYSIS



REFERENCE DESIGN TOWER SETBACKS

Pitt Street	8.25m average
Hunter Street	4.75m
Western Boundary	6.25m max.
Southern Boundary	4m



VIEW 5 - Looking north along Pitt Street

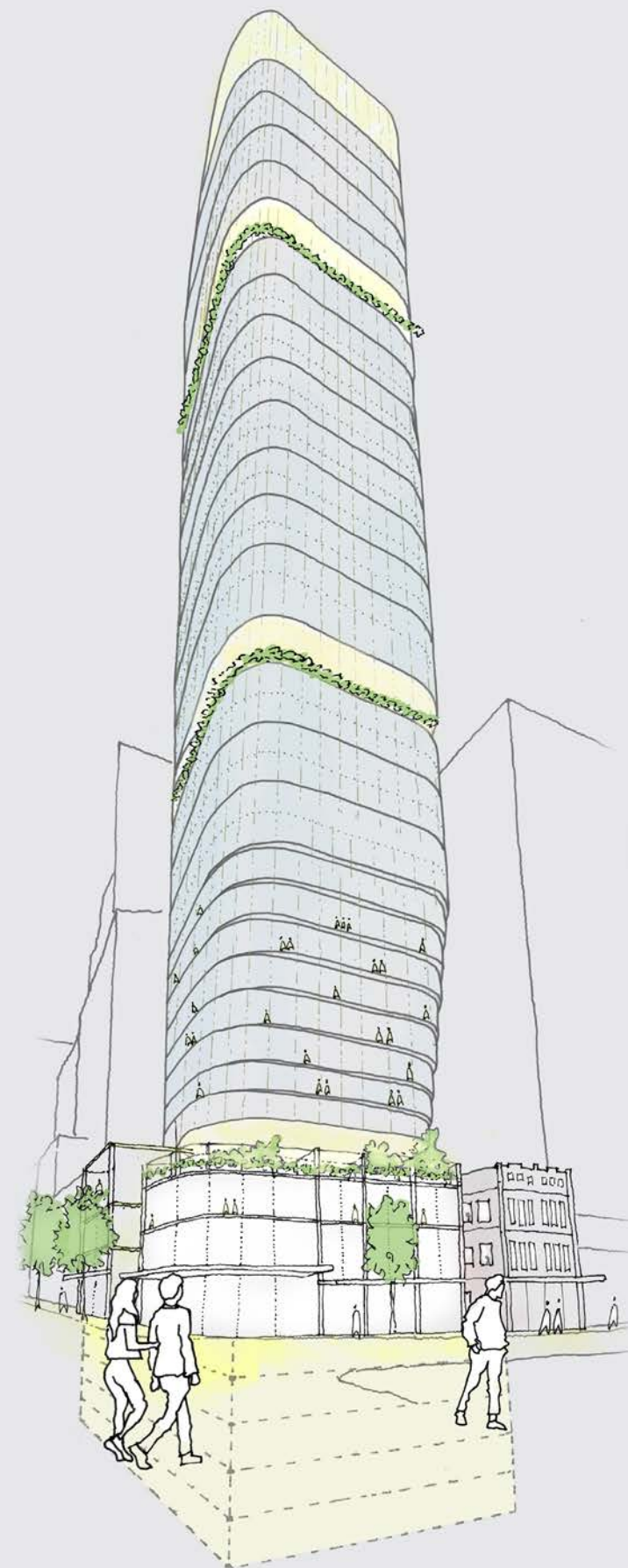




# Appendix B

## Additional Information

15-23 Hunter Street and  
105-107 Pitt Street Sydney

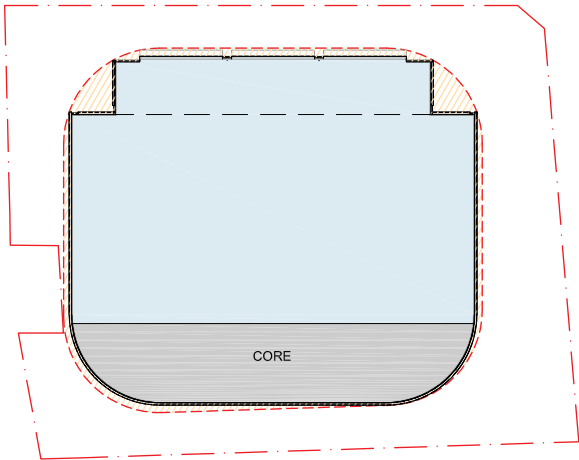




# 10.1 Building Articulation Study

The following images and diagrammatic plans have been prepared to aid discussion of the appropriate requirements for facade zone depth & articulation allowance for this particular site. They illustrate possible massing outcomes with a 750mm supplied facade zone in addition to 6% architectural articulation.

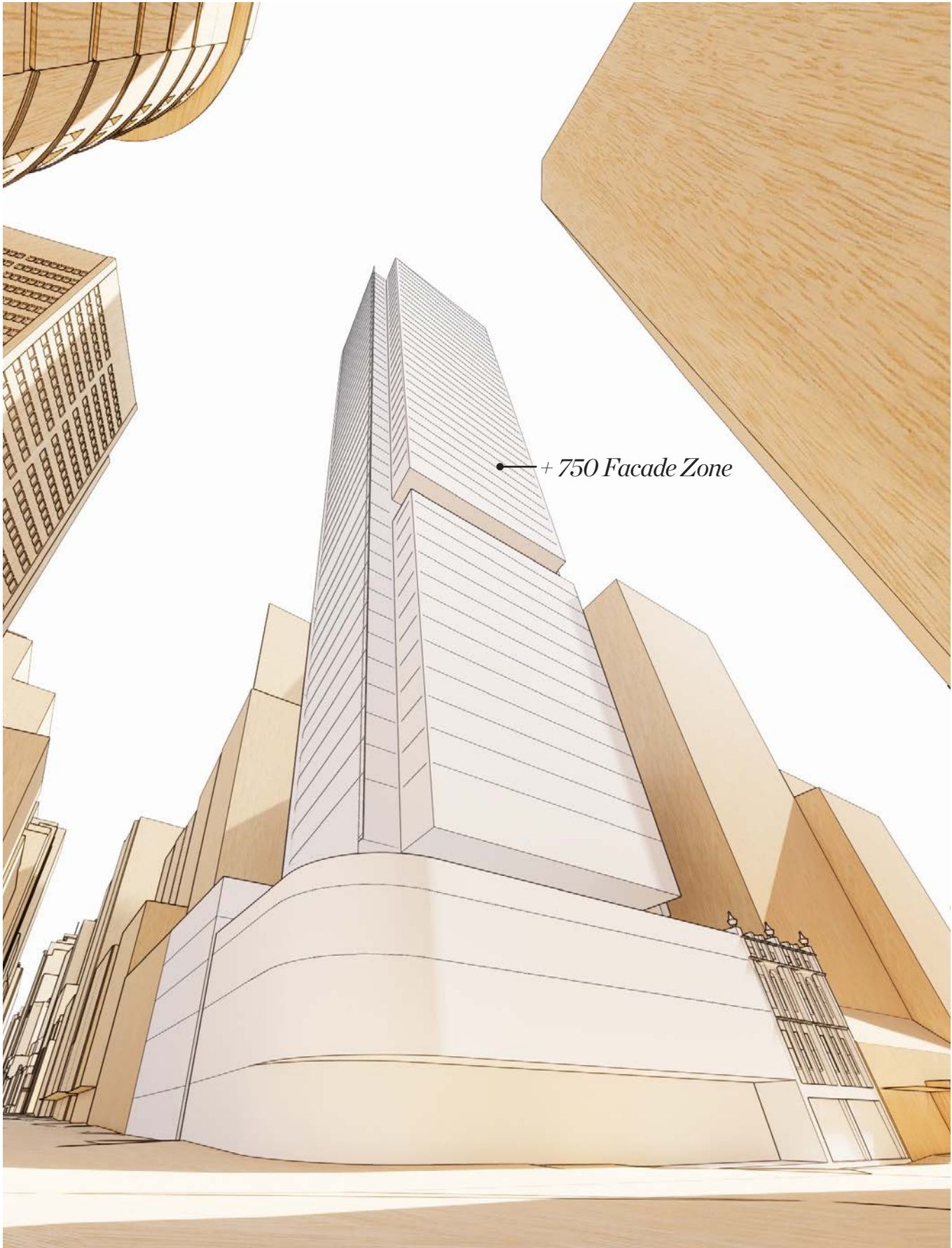
**OPTION 1:**  
750mm Facade Zone to North  
Closed Cavity facade to East, West and South  
Balance of Architectural Articulation plus Facade Zone equates to the same overall GFA as other options.



OPTION 1 - TYPICAL PLAN



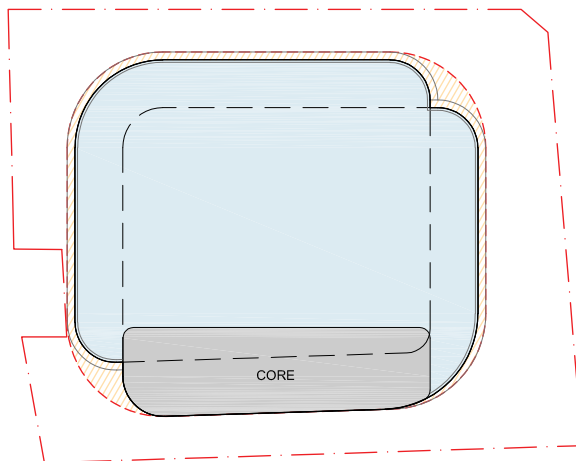
OPTION 1  
Orthogonal corners





**OPTION 2:**

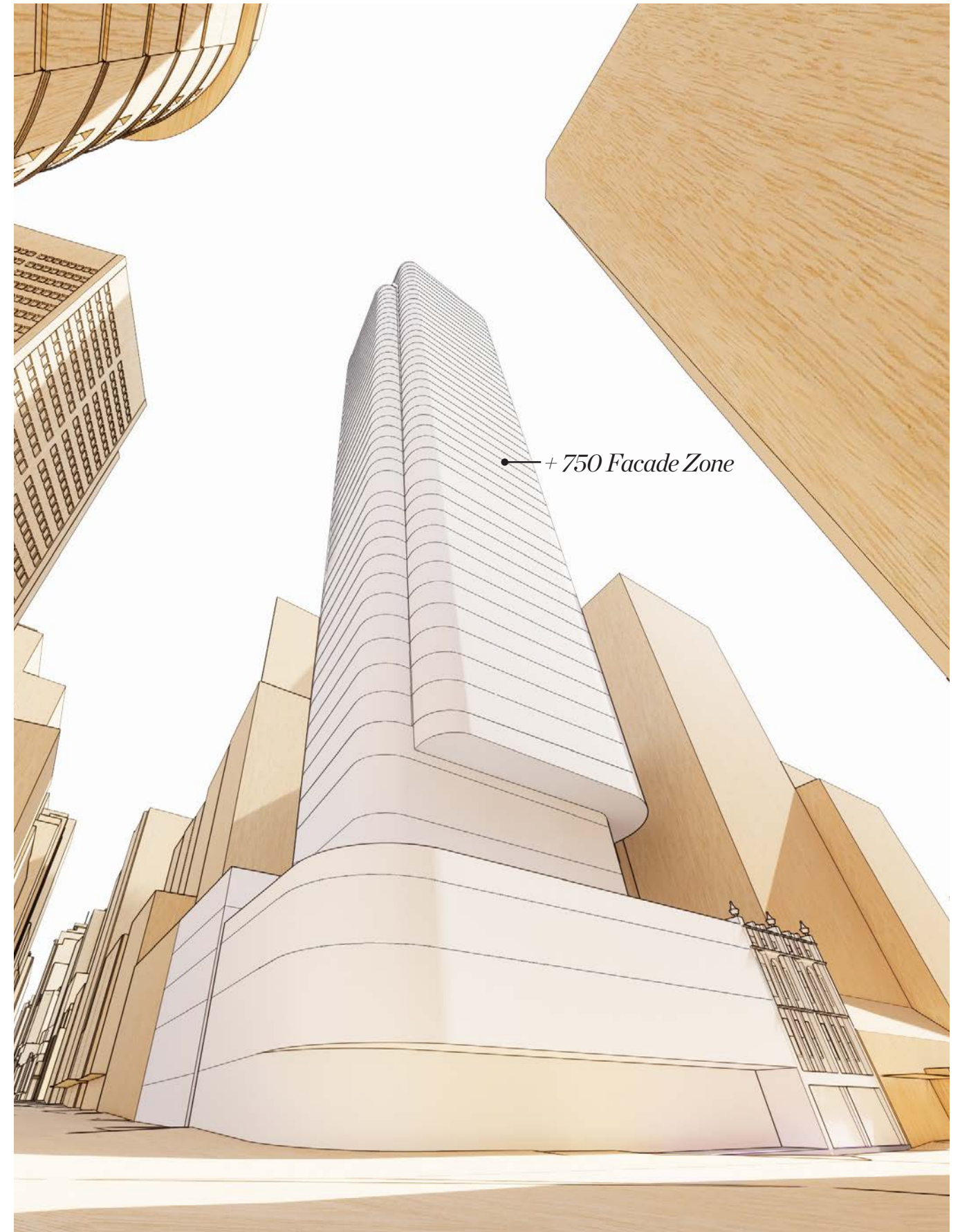
750mm Facade Zone to North, East, and West  
+ 6% of GEA for Architectural Articulation



**OPTION 2 - TYPICAL PLAN**

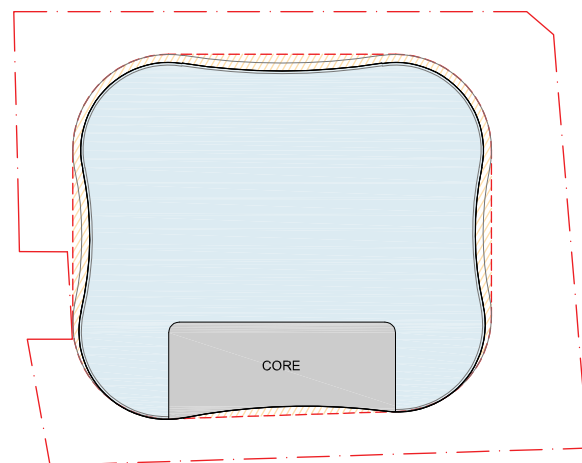


**OPTION 2**  
Interlocking Volumes





**OPTION 3:**  
750mm Facade Zone to North, East, and West  
+ 6% of GEA for Architectural Articulation



**OPTION 3 - TYPICAL PLAN**

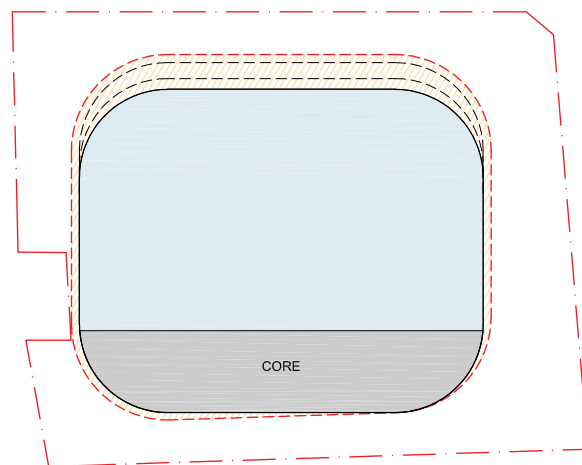


**OPTION 3**  
Undulating





**OPTION 4:**  
 750mm Facade Zone to North, East, and West  
 + 6% of GEA for Architectural Articulation



**OPTION 4 - TYPICAL PLAN**



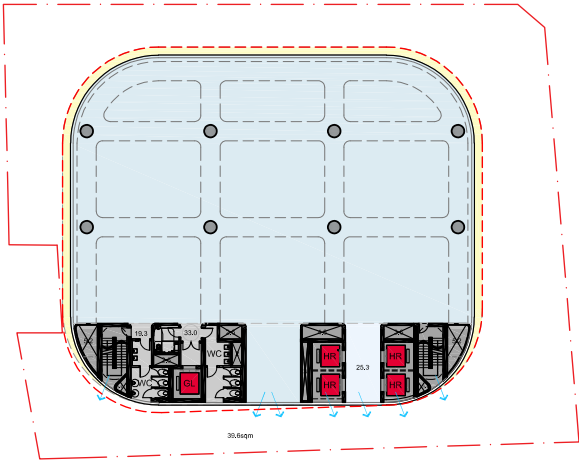
**OPTION 4**  
 Tapers at bottom





**REFERENCE DESIGN:**

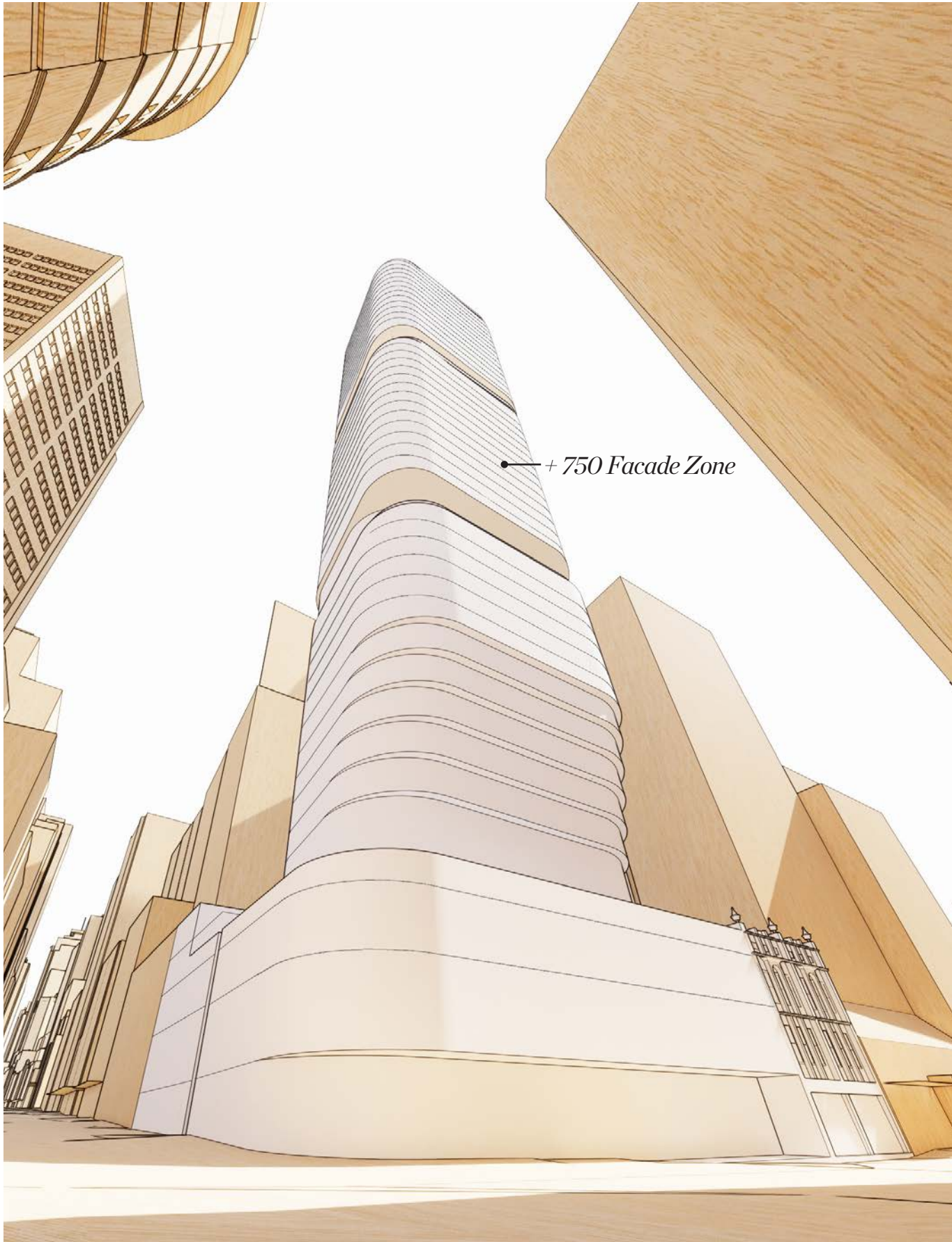
750mm Facade Zone to North, East, and West  
+ 6% of GEA for Architectural Articulation



**REFERENCE DESIGN - TYPICAL PLAN**



**REFERENCE DESIGN**  
Stacked Volumes





# 10.2 Tall Towers

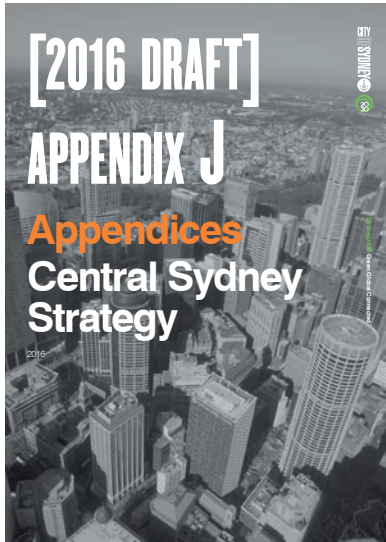
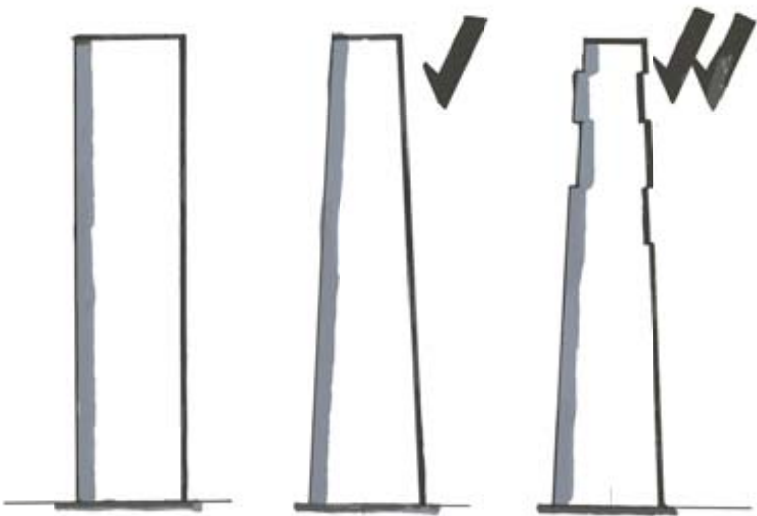
### Effect of Tower Shape

The plan shape of a tower will greatly influence the wind loading to be resist well as the dynamic response and accelerations. Below presents in very sim terms the relative ‘drag factors’ for different shapes. As a general rule:-

- A square shape is not ideal
- Sharp corners are best avoided.
- Chamfered or rounded corners greatly reduce wind loading.
- Overall rounded forms typically behave better.

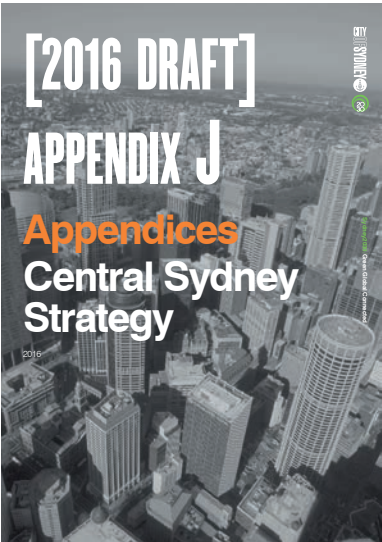


The shape of a tower in elevation is also a factor in influencing its performance under wind. In the case of tall towers, or towers with high slenderness, departure from a pure extruded form can greatly improve the dynamic response by ‘confusing the wind’ and reducing the effects of vortex shedding. A gentle taper over the height of the building is effective in this respect, or as an extreme, a non symmetric elevational profile. The worlds tallest tower, the Burj Khalifa in Dubai uses this latter effect to benefit the performance of the tower and the comfort of occupants within.

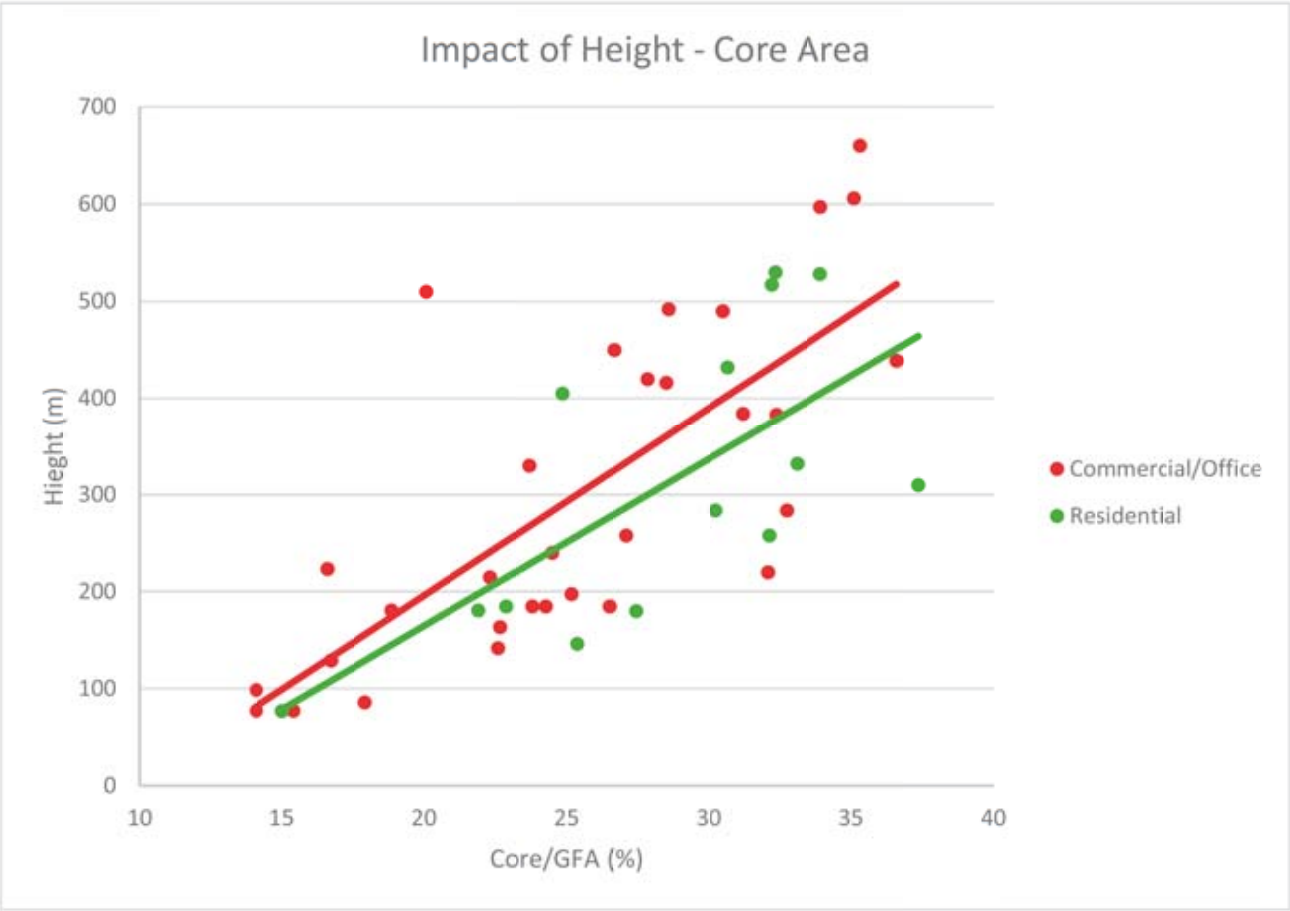


Source: Central Sydney Palnning Strategy prepared by The City of Sydney





Source: Central Sydney Palnning Strategy prepared by The City of Sydney



The above data comes from Arups database on towers in Asia. It comprises a range of structural systems (influenced by height) and also includes mixed use towers. The core area shown is that for the low levels of the tower, as opposed to that in the higher levels where the lifts ‘drop-off’ and core sizes typically reduce.

Cores Sizes

The size of cores for tall buildings vary significantly depending on the approach to vertical transportation, escape stairs and how the building is serviced. While the core will typically make a significant contribution to the strength and stiffness of the tower, invariably its size is dictated by the space requirements of the services and egress provision within. Indicative breakdown of services within the core for high rise commercial tower are as follows:

	Approx Percentage of floor plate area	Approx percentage of core Area
Building Services	3.5%	10.5%
Fire stair	2.0 %	7%
Lifts	10.5 %	35%
Lobbies	8 %	24%
WCs	2.5 %	8%
Total	26.5 %	85%

The figures above exclude the ‘structure’ of the core. It is for this reason that the total is 85%. The residual area making up the core can be considered as stricture and miscellaneous.

Plant floors

Typically there will be a plantroom every twenty (20) to twenty eight (28) floors. Plant floors will typically be between 5.5m and 6.0m floor to floor. Total building services plant requirement will be between 9.5 and 10.0% of gross floor area (GFA). Depending on the specifics of the design, there could be two plant floor levels at 20-28 storey intervals, and it may be that the floor to floor height matches that of the typical floors (for reasons of external aesthetics).

External skin allowances

For typical towers NLA is measured to the inside face of the glazing. Overall glazing thickness is typically 30mm for a high rise tower.



Tall Buildings | The Implications of Increasing Height

Impact of height

Typical Building Services Systems

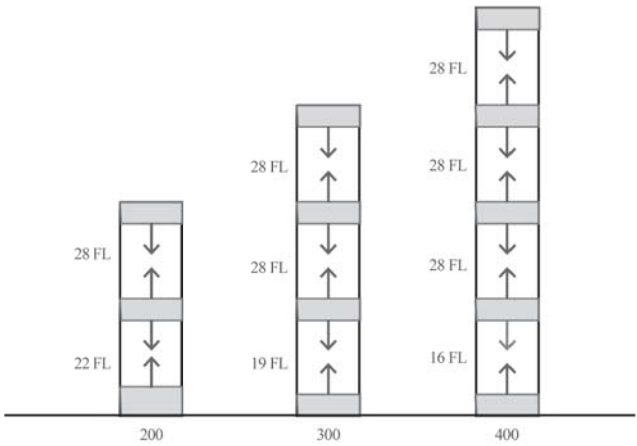
Mechanical

Key issues in the consideration of mechanical systems:

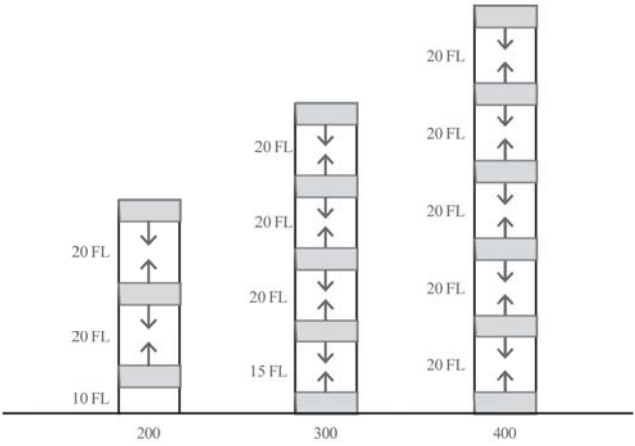
- Air verses chilled water circulation
- Central plant
- Efficiency of risers sizing
- Stack Effect issues.
- Environmental impact on the design.
- Plant replacement and maintenance.
- Tenant plant flexibility.

Mechanical Plant (Commercial Buildings)

Taller buildings are more energy intensive and require more power the taller the building becomes. The graphs on the right show the typical floor area requirements for different mechanical systems. One is all water system (eg. chilled beam approach) where as the other is all air without water on the office floors (eg. Variable Air Volume (VAV) approach).



AHU Distribution (Chilled Beam)  
Maximum 14 Floors per AHU Plant

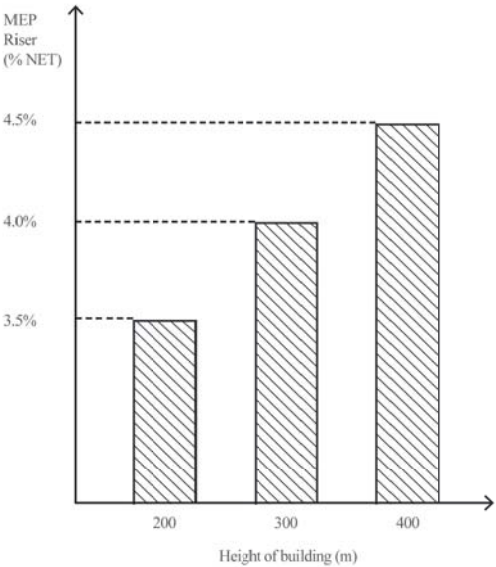


AHU Distribution (VAV)  
Maximum 10 floors per AHU Plant

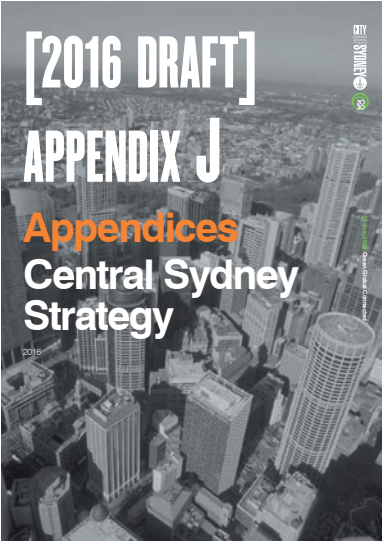
Vertical Risers

Typically as follows:

1. Mechanical Air - No variation with height assuming distributed plant.
2. Mechanical Water - Negligible difference albeit minor penalty due to hydraulic break.
3. Electrical - Penalty with height to reticulate HV up the building and communications.
4. Fire Services and Hydraulics - Penalty with height for multiple rising mains.

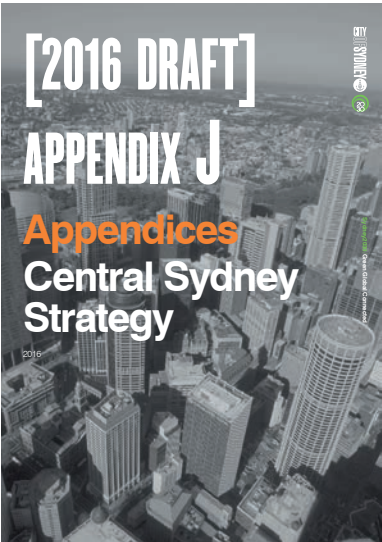


Total typical area of risers as a percentage of floor area.



Source: Central Sydney Palnning Strategy prepared by The City of Sydney





Source: Central Sydney Palnning Strategy prepared by The City of Sydney

Tall Buildings | The Implications of Increasing Height

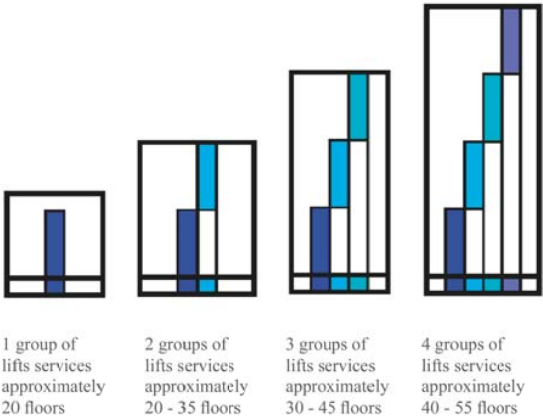
Impact of height

Design Arrangements (Stacking)

As towers increase in height, the vertical transportation design must respond to achieve the required performance and enable the seamless flow of tenants and visitors throughout the building.

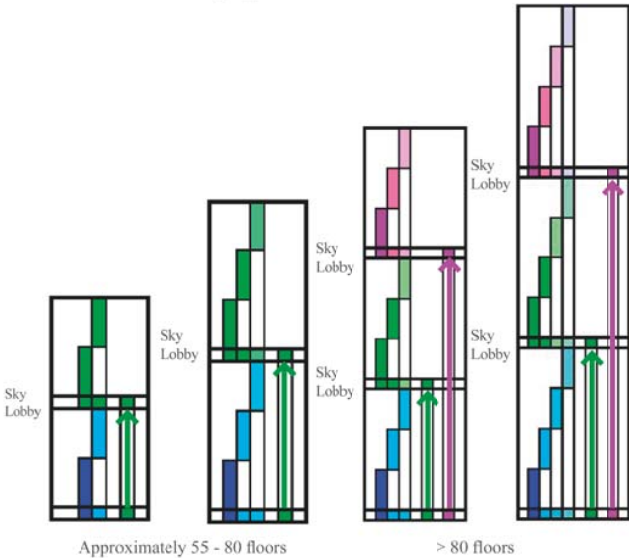
While increasing the number, size and speed of elevators is possible, there comes a point where this is no longer an effective design strategy in order to maintain the floor plate efficiencies required to make a development viable. At this point the design of vertical transportation systems must adopt design strategies and equipment technologies different to those the Sydney market may be familiar with.

To maximise floor plate efficiencies elevators are arranged in groups. Subject to the number of elevators in each group (low, mid, high rise etc) the below stacking arrangements are typical.



16

As commercial towers increase in height or where mixed use towers are being developed, sky lobbies can be introduced as depicted below. Sky lobbies require the use of shuttle elevators to transport passengers to the sky lobby where they transfer to local elevator groups.



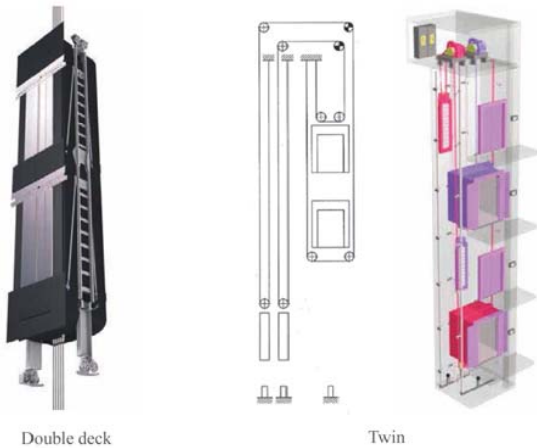
Sky lobbies can provide a number of design benefits to the development such as:

- Increased core efficiency by stacking "local passenger elevators" atop each other.
- Ability to quickly transport a large percentage of the buildings occupants.
- A location for social amenity particularly in residential towers where a local township can be created.
- A line of security between commercial, residential & hotel components of mixed use developments.
- In comparison to a conventional single deck system with all elevators serving from the ground floor, sky lobbies can reduce the core size by up to 25%.

Equipment Technology

As towers increase in height, it is necessary to consider the use of various equipment technologies to achieve the required performance levels. There are several equipment technologies that have been specifically developed to maximise the handling capacity of each elevator shaft. These include:

- Multi-car systems (Double Deck and TWIN Elevators)
- Destination Control Service



Double Deck elevators comprise two permanently connected passenger cars, positioned one above the other and connected to a common suspension and drive system. The upper and lower decks are therefore limited to serving two adjacent floors simultaneously.

The Twin system is unique to ThyssenKrupp and has 2 elevator cars running independently in the same elevator shaft. Each car has its own ropes, counterweight, safety, control and drive equipment while sharing common guide rails and landing entrance doors.

Multi-car elevator systems have been specifically developed to increase the handling capacity of each elevator shaft. This in turn provides the opportunity to reduce the overall number of elevator shafts while achieving comparable levels of service to a traditional single deck system.

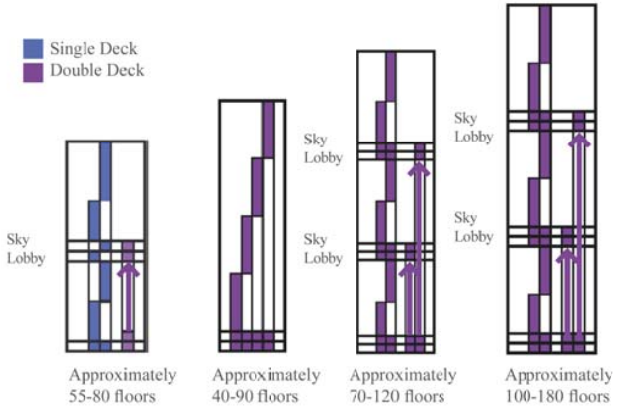
There are a number of similarities between Double Deck and TWIN elevator systems, with the most important being:

- Both require Destination Control Service to maximise efficiencies. On Double Deck elevators, DCS is used to minimise non-coincidental calls and on Twin to maintain safe operational distances between elevator cars;



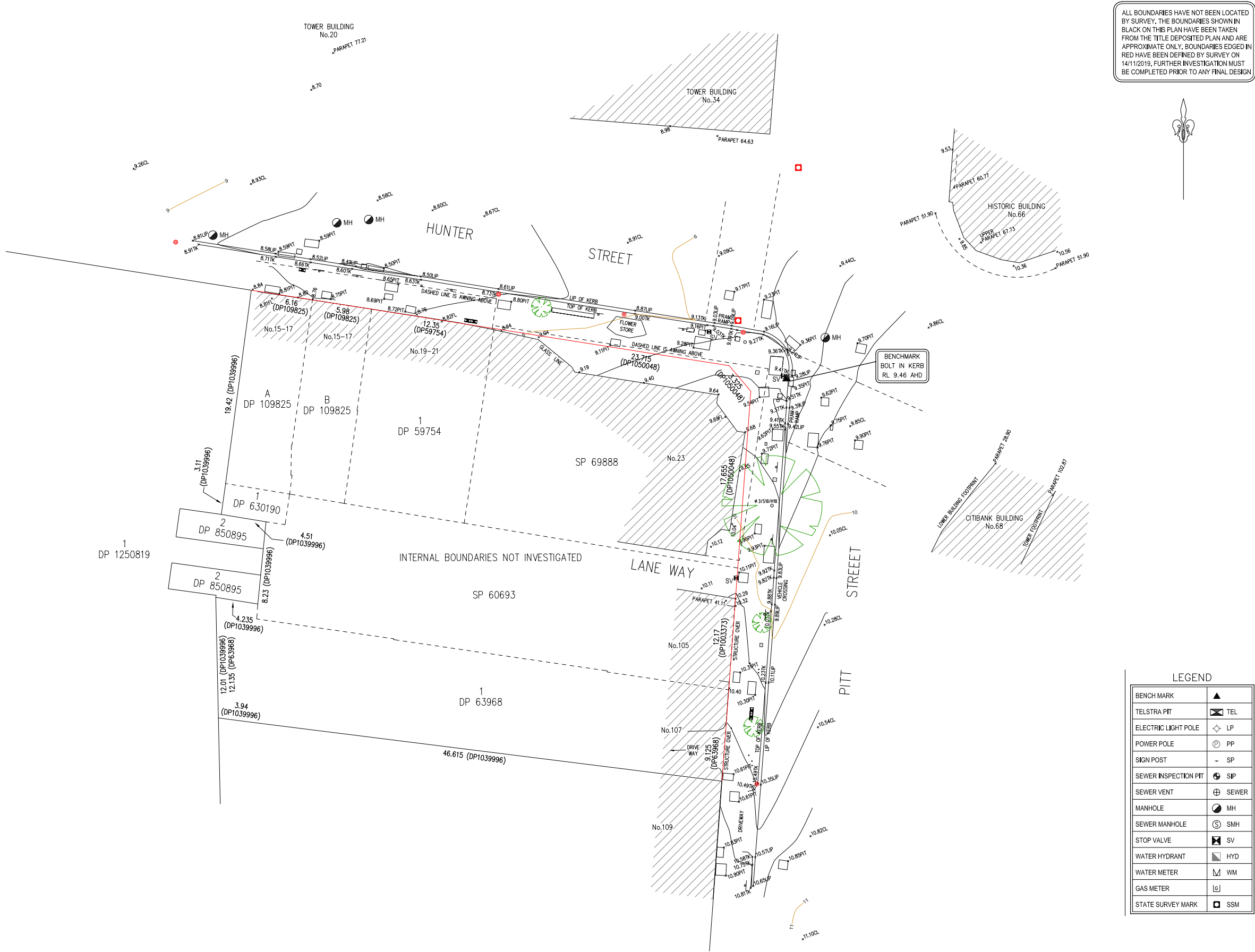
- Both require dual lobby loading to allow the upper and lower cars to load simultaneously;
- Increase handling capacity of each elevator shaft;
- Fewer elevator shafts;
- In comparison to a conventional single deck system with all elevators serving from the ground floor, the use of multicar elevator systems combined with sky lobbies can reduce the core size by up to 35%.

When considering a multi-car vertical transportation system in conjunction with the use of sky lobbies the below stacking arrangements are made possible.





10.3  
Survey



REVISION No.	REVISION DATE:	COMMENT:
1	15-23 HUNTER STREET AND 105-107 PITT STREET	

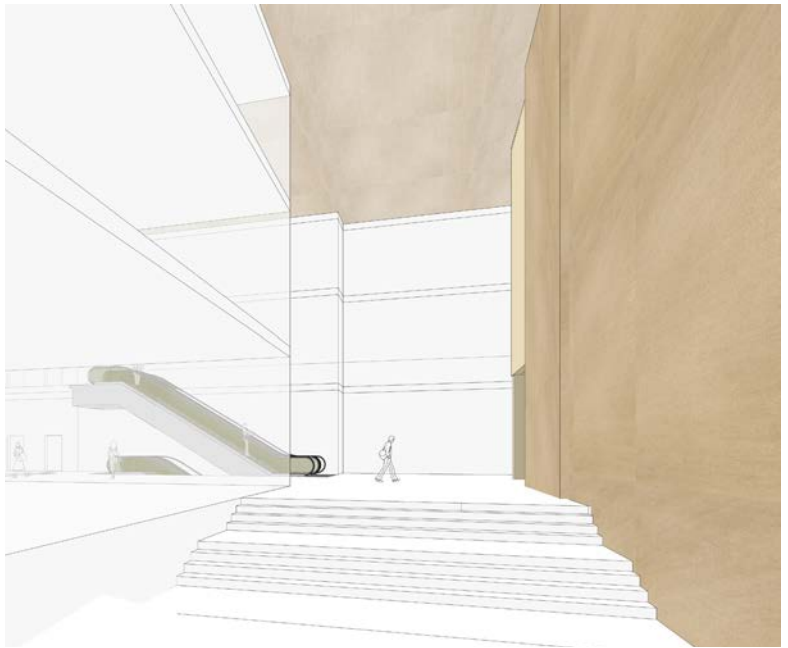
LEGEND:	TG - TOP OF GUTTER
EB - EDGE OF BITUMEN	RR - ROOF RIDGE
EC - EDGE OF CONCRETE	TL - TOP LEVEL
BB - BOTTOM OF BANK	INV - INVERT LEVEL
TW - TOP OF WINDOW	ELEC - ELECTRICAL PIT
BW - BOTTOM OF WINDOW	Ø, I/S 101H16 - DIAMETER/SPREADHEIGHT

PLANNING PROPOSAL URBAN DESIGN REPORT
BAR SCALE
PLOTTED SCALE 1:200 (A1 SIZE SHEET)

PLAN SHOWING DETAIL & LEVELS AT THE CORNER OF PITT STREET AND HUNTER STREET	
CLIENT:	MILLIGAN GROUP
PROJECT:	SYDNEY
ADDRESS:	CORNER PITT & HUNTER, SYDNEY

JOB No.:	192625	LGA:	SYDNEY
PLAN No.:	192625-1	DATUM:	AHD
DATE:	15/11/2019	SCALE:	1:200@A1
DRAWN:	RA	CONT. INTERVAL:	0.25m
CHK:	WH	SHEET	1 OF 1

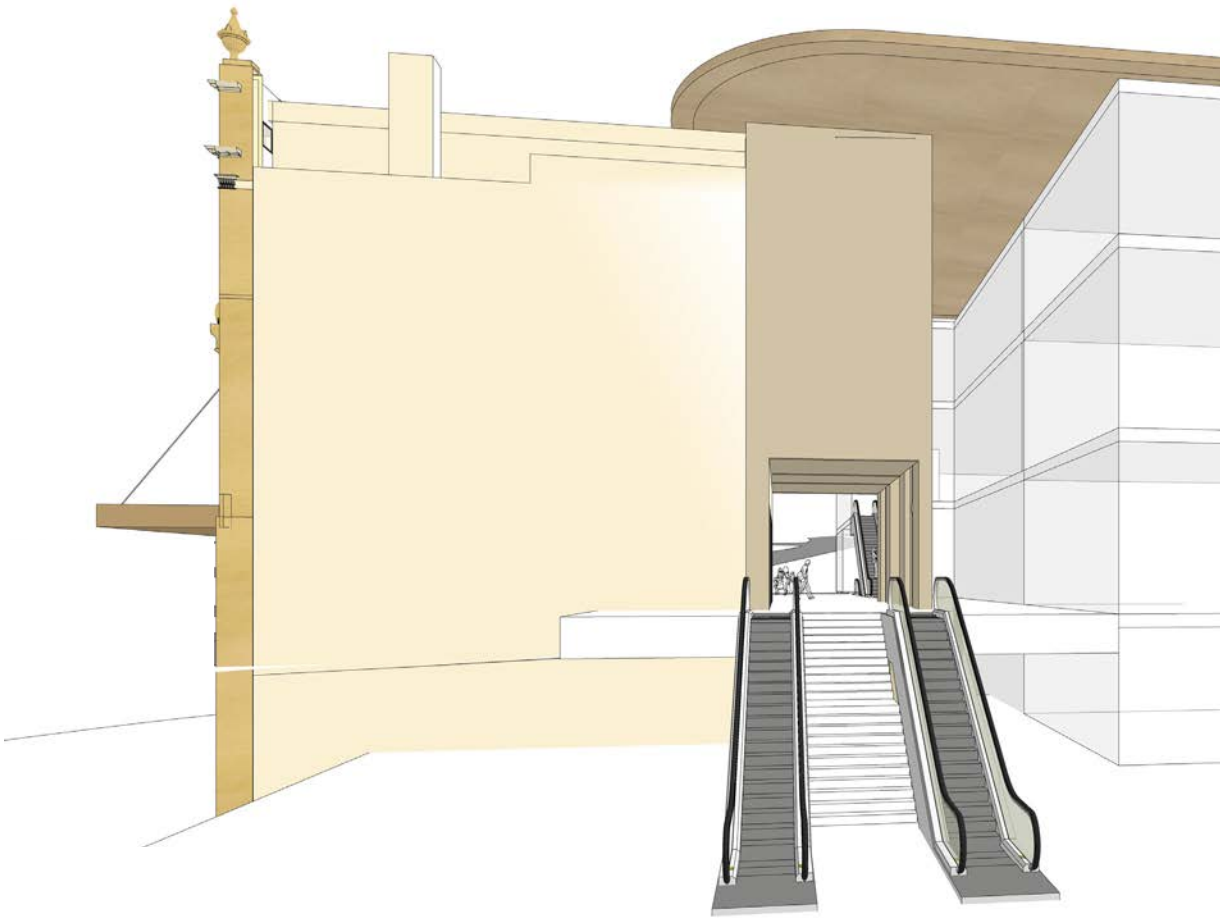






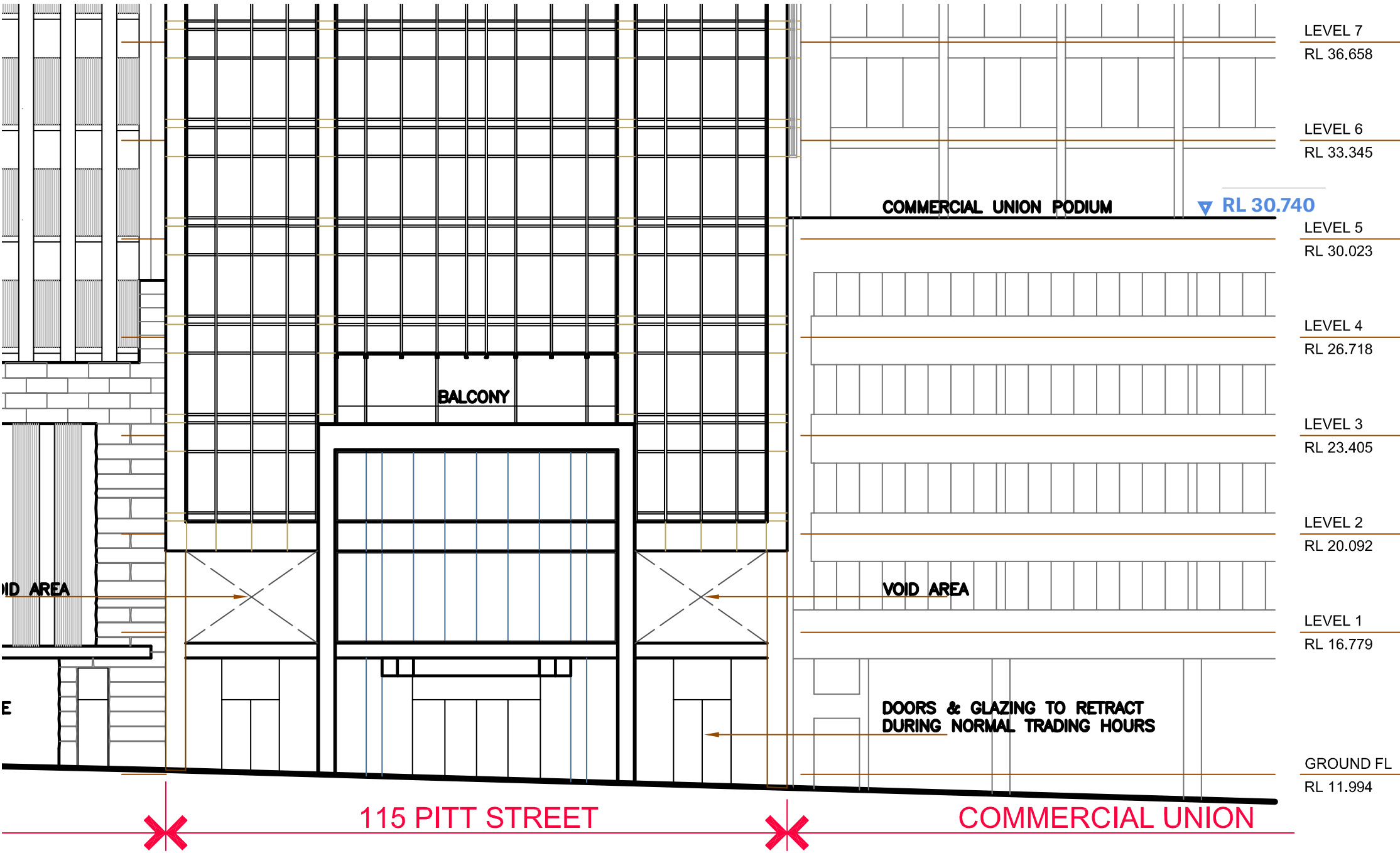








109 Pitt Street Parapet



1:200 @ A3





