Attachment A2

Urban Design Study

Urban Design Study (Increase in FSR 5:1 to 7:1) Issue C



Candalepas Associates 232-240 Elizabeth St, Surry Hills 20 July 2023

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INTRODUCTION

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This Urban Design Report has been prepared by Candalepas Associates on behalf of Stasia Pty Ltd in support of a proposed massing envelope for the property located at 232-240 Elizabeth Street, Surry Hills.

This Report describes the site, outlines the key constraints imposed by the existing controls, and sets out the strategic justification for the proposed design.

Key findings of the Report include:

- The Property is strategically located and aligned with the City Plan 2036: Local Strategic Planning Statement (LSPS) planning priorities.
- The proposal for the site will allow the City of Sydney to meet the planning priorities set out in the LSPS (Actions P 2.3, P 2.6) by ensuring adequate floor space capacity to accommodate enterprise activities.
- The proposed floor space ratio is in line with existing and emerging higher density developments in the vicinity.

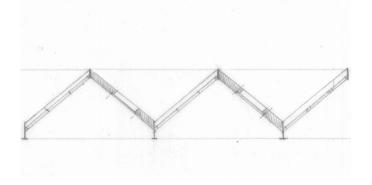
The Property is known as 232-240 Elizabeth, and is formally identified as 232-236A Elizabeth Street (SP71301), 238-240 Elizabeth Street (Lots 1&2, DP779385; Lot 1, DP664653). The combined site area is 905.6 square metres and is located within the Eastern Creative and Camperdown-Ultimo Health and Education Precincts. The site has frontages to Elizabeth Street and Reservoir Street and access to the rear from Foster Lane.

The site currently contains a collection of three storey commercial/retail and budget accommodation buildings. While these were largely constructed in the late nineteenth and early twentieth centuries they have been heavily modified and are not considered to be of heritage significance.

The site is less than 300m north of Central Station, a few hundred metres from a number of Light Rail stops and adjacent to several bus routes. It is therefore well located to provide strong connections to a wide range of areas throughout Sydney.

The area has a diverse mixture of building forms, architectural styles and scales. The proposed building use and massing envelope have been considered in order to ensure integration with the emerging surrounding uses and built form.

The proposed development offers an appropriate and compatible addition to this part of Surry Hills, giving an opportunity to provide floor space in support of the Eastern Creative Precinct. This is consistent with the objectives of providing economic development, innovation and jobs in this key strategic centre as well as supporting the long term economic viability and growth of the City of Sydney.

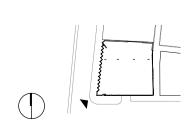


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PERSPECTIVE VIEW - ELIZABETH STREET

Prepared by Darc Studio.



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SITE ANALYSIS

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AERIAL PHOTOGRAPH

Site Address 232-240 Elizabeth Street, Surry Hills NSW 2010

 Site Details
 232-236A Elizabeth Street - SP 1379

 238-240 Elizabeth Street - LOT 1, LOT 2, DP 779385; LOT 1, DP 664653



SUBJECT SITE

GENERAL CONTEXT

Existing Site Controls - Sydney LEP 2012

Site Area	905.6 m2
Base FSR	5:1
Base GFA	4,528 m2
Land Zoning	B4 mixed use
Max. Height of Buildings	35 m

Key Surrounding Buildings

No.	Address	Use	Storeys
01 02 03 04 05	N/A (Railway Bridge) 228 Elizabeth St 230 Elizabeth St 50 Reservoir St 52-58 Reservoir St	Infrastructure Residential Mixed Use Commercial Commercial	1 Storey 9 Storey 9 Storey 7 Storey 9 Storey 7 Storey
06 07	45 Reservoir St 33-37 Reservoir St	Commercial Residential	7 Storey 10 Storey
07	242-254 Elizabeth St	Residential	14 Storey
00		Rooldontia	14 Otorcy



01. Railway Bridge



02. 228 Elizabeth Street



03. 230 Elizabeth Street



Foster Lane (Subject Site at end of lane)



Subject Site 232-236 Elizabeth Street





Subject Site 238-240 Reservoir Street



Subject Site 238-240 Reservoir Street



04. 50 Reservoir Street



05. 52-58 Reservoir Street photo by Brett Boardman







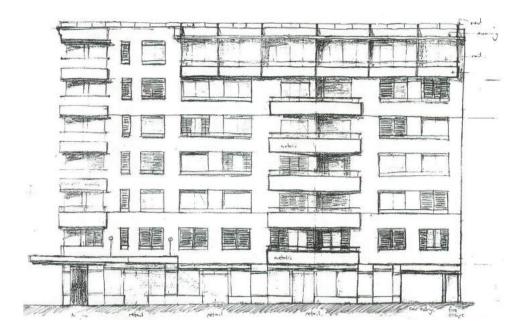


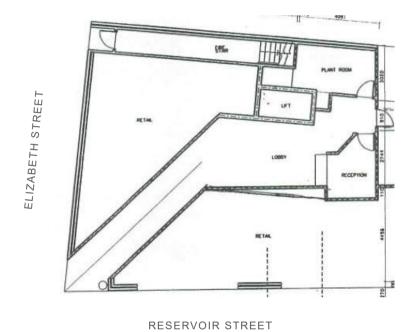
06. 45 Reservoir Street

07. 33-37 Reservoir Street

08. 242-254 Elizabeth Street

260 Elizabeth Street





1999 Development Proposal (Joshua Farkash & Associates)

PRIOR DEVELOPMENT APPLICATIONS

On 21 July 2017, the NSW Land and Environment Court approved a Stage 1 Concept Development Application (DA) for the demolition of existing buildings on the site and the construction of a 2-level basement car park and mixed-use building containing residential, hotel and retail uses (referred to as D/2016/1451). The application was subsequently modified and approved on 25 November 2020 to delete 1 level of basement car parking and provide bike parking at the ground level (referred to as D/2016/1451/A). An acceptable envelope – height, bulk and scale has therefore been determined for the site through this approval.





RESERVOIR STREET

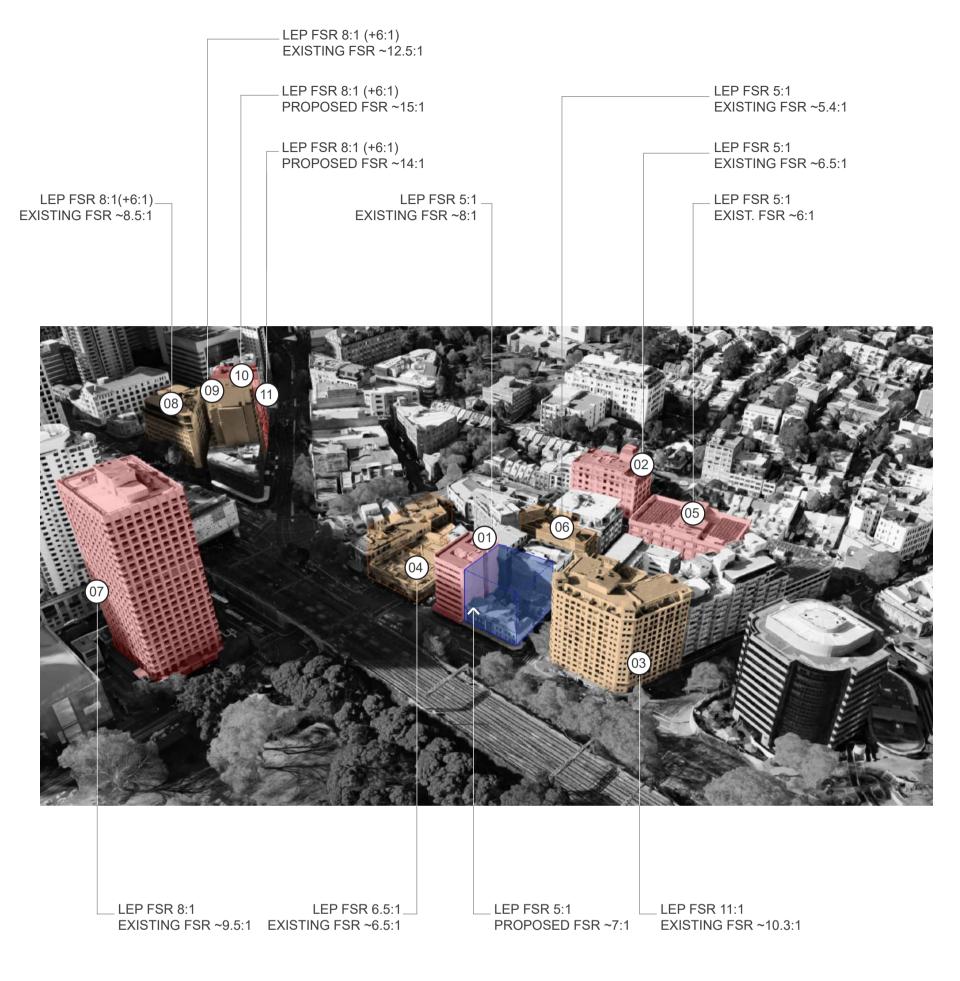
2016 DA/2016/1451 (MHN Design Union)

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URBAN STUDY + CONSIDERATIONS

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URBAN CONTEXT STUDY FSR OF SURROUNDING BUILDINGS



There is an inconsistency in the permitted FSR between the subject site and the surrounding sites. The subject

Key Surrounding Buildings

site, with a maximum FSR of 5:1, is bordered to the north and south by sites with maximum FSRs of 6.5:1 and 11:1 respectively. In addition, nearby comparable developments on Wentworth Avenue to the north include FSR rates of up to 15:1.

Legend

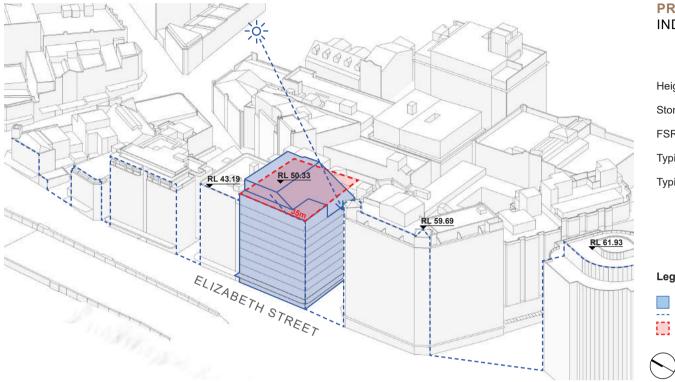
Site

Buildings in excess of current SLEP 2012 density control Compliant high density buildings (in excess of 5:1)

No. Address Use Storeys 01 230 Elizabeth St Mixed Use 9 Storey 02 74-80 Reservoir St Commercial 03 242-254 Elizabeth St Residential 04 228 Elizabeth St Residential 05 45 Reservoir St Commercial 52-58 Reservoir St 06 Commercial 323 Castlereadh St 07 Commercial 80 111 Goulburn St Accommoda

- 61-65 Wentworth Ave 09
- 10 55-59 Wentworth Ave
- 11 47-53 Wentworth Ave

	• - · · · · j
Commercial	7 Storey
Residential	14 Storey
Residential	9 Storey
Commercial	7 Storey
Commercial	9 Storey
Commercial	23 Storey
Accommodation	10 Storey
Accommodation	18 Storey
Accommodation	20 Storey
Mixed Use	10 Storey



PROPOSED BUILDING ENVELOPE INDICATIVE YIELD

Height	35m
Storeys	9
FSR	7:1
Typical Floor to Floor Height	3.4m
Typical Floor Area	714 sqm

Legend

Subject Site Street Wall 35m Height Control

The proposed building mass addresses this inconsistency by proposing an FSR of 7:1 which is in keeping with current and proposed urban development in the area.

A consistent street wall is established along Elizabeth Street, infilling the previously underdeveloped site and resulting in a good urban outcome.

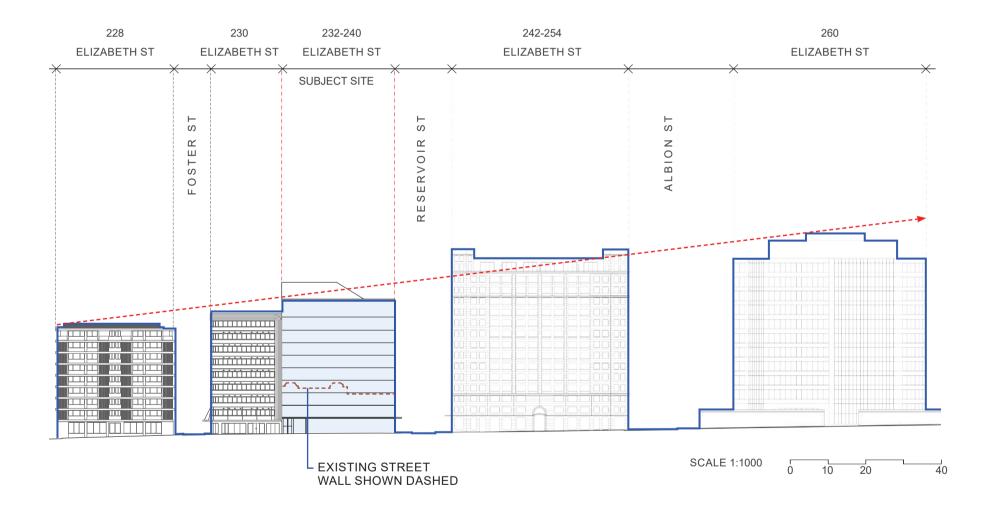
Negotiating the change in scale along Reservoir Street, the proposed envelope steps down at the street edge. This transition assists in maintaining solar access to 242-254 Elizabeth St & 33-37 Reservoir St, providing an overall increase in solar amenity to these dwellings compared to the approved concept scheme for the site.

Further reducing the building mass, a through site link along the eastern boundary is established. Open to the sky, this new public realm provides additional retail activation and connectivity from Reservoir St through to Foster Lane.

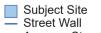
Candalepas Associates

BUILDING ENVELOPE + STREET WALL ANALYSIS ELIZABETH STREET ELEVATION

The existing street wall along Elizabeth Street can be seen to have a strong prevailing trend, stepping up gradually to the south. This trend is currently interrupted by the existing buildings on the site. A volume of the maximum permitted height on the site resolves the current inconsistency both with regard to the site's immediate neighbours and to the broader street wall trend.



Legend

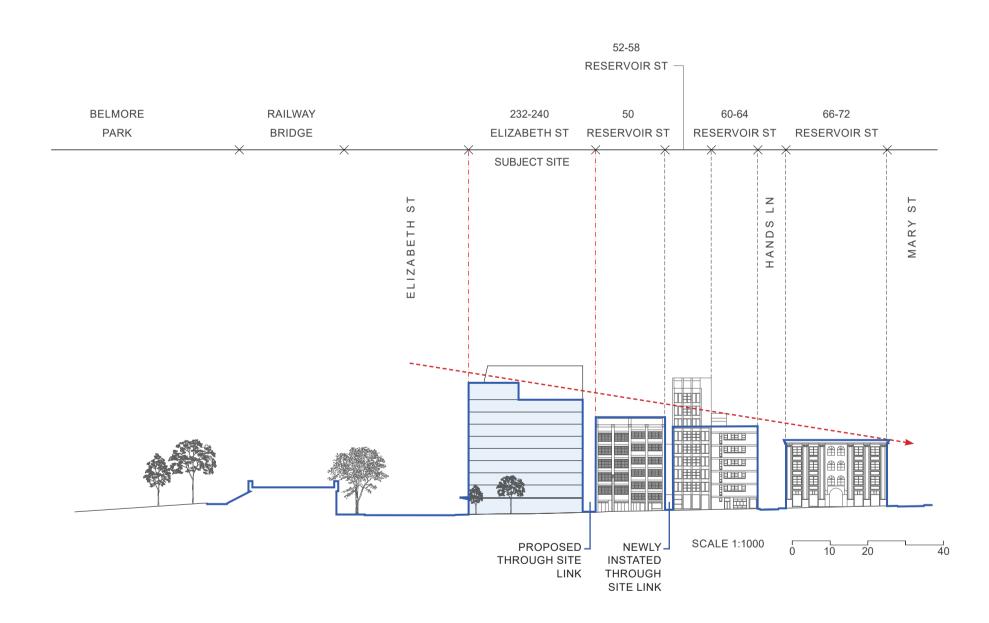


- -> Average Street Wall Projection

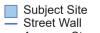
Candalepas Associates

BUILDING ENVELOPE + STREET WALL ANALYSIS RESERVOIR STREET ELEVATION

The existing street wall has a broad trend, but, unlike Elizabeth Street, features a greater level of variation. As such, the proposed volume chiefly seeks to mediate between the prevailing Elizabeth Street height and that of Reservoir Street. This is achieved by the stepped facade, which also allows greater solar amenity to opposite residential dwellings at 242-254 Elizabeth Street & 33-37 Reservoir Street.



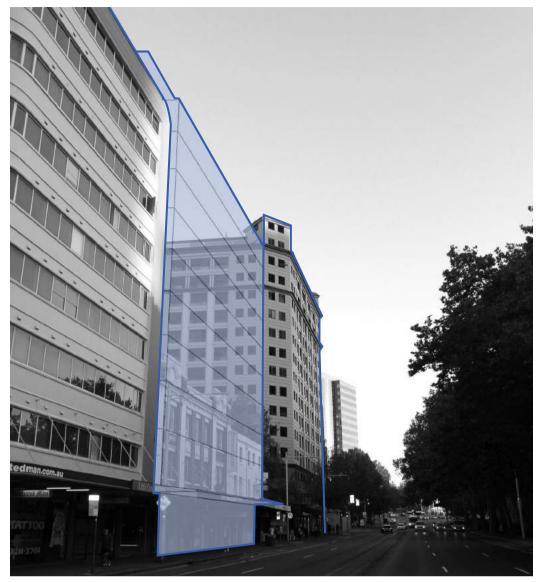
Legend



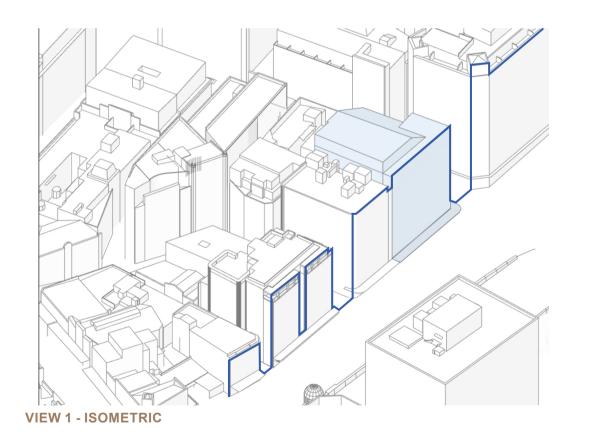
- -> Average Street Wall Projection

Candalepas Associates

BUILDING ENVELOPE + STREET WALL ANALYSIS STREETSCAPE VIEWS - ELIZABETH STREET



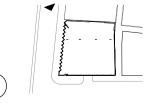
VIEW 1 - PERSPECTIVE



Approaching the site along Elizabeth Street from the north, there is a significant inconsistency in the street wall caused by the height of the existing buildings on the site. This interruption of the prevailing trend in the street wall represents a bad urban outcome. The proposed volume, on the other hand, resolves the existing issue in that its height represents a compromise between the two adjacent buildings along Elizabeth Street, and it continues the trend of heights stepping up to the south.

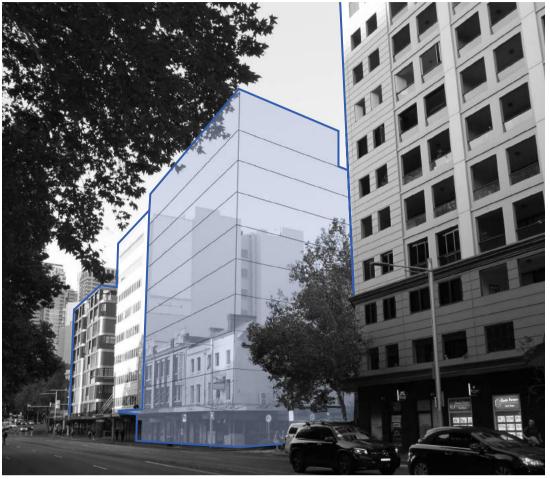


Subject Site Street Wall



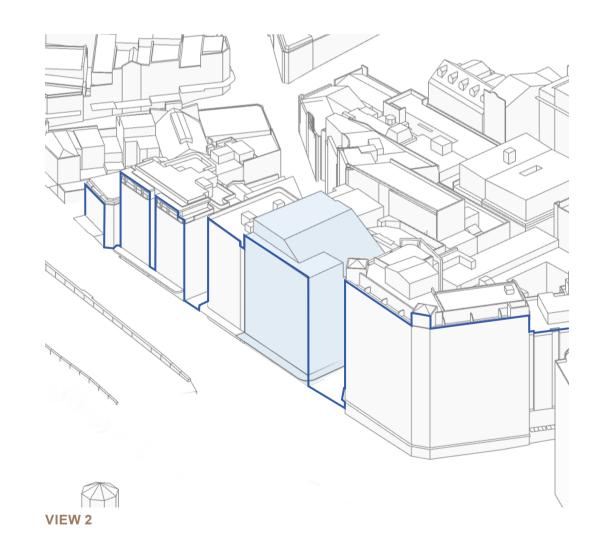
Candalepas Associates

BUILDING ENVELOPE + STREET WALL ANALYSIS STREETSCAPE VIEWS - ELIZABETH STREET

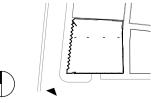


Approaching the site along Elizabeth Street from the south, the inconsistency noted earlier is even more pronounced. In particular, the large blank wall presented by 230 Elizabeth Street along the site boundary represents a bad urban outcome. The proposed volume, on the other hand, resolves this issue in that it creates a continuous, articulated street wall.

VIEW 2





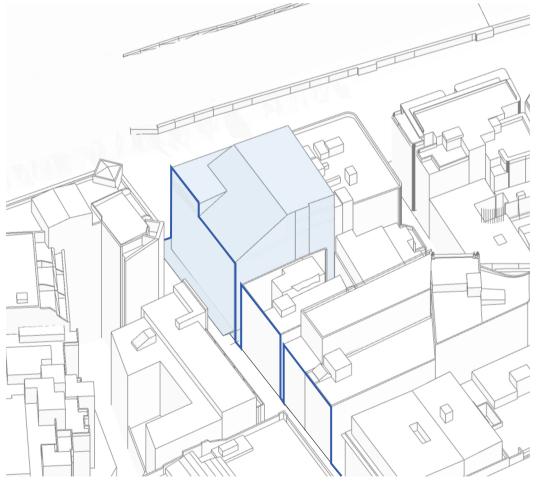


Candalepas Associates

BUILDING ENVELOPE + STREET WALL ANALYSIS STREETSCAPE VIEWS - RESERVOIR STREET



VIEW 3

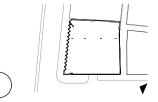


Approaching the site along Reservoir Street from the east, the height inconsistency of the street wall is less pronounced than along Elizabeth Street due to the more constricted views permitted. However, the proposed volume would bring the site more broadly into line with the heights of the buildings both opposite and adjacent along Reservoir Street. The stepped massing allows the proposed volume to mediate between the street wall along Elizabeth Street and that along Reservoir Street, as well as providing greater solar amenity to the opposite residentail dwellings.

VIEW 3

Legend

Subject Site Street Wall





SITE PLAN - EXISTING STREET NETWORK

SCALE 1:1000 0 10 20 40

SUBJECT SITE EXISTING STREET ACTIVATION

The existing local street network sustains a level of activation, in particular along Reservoir Street. There is also some activation along Elizabeth Street but this is compromised to a degree by the large traffic volumes. Moreover, there is some scattered activation in many of the smaller streets and lanes, such as along Foster Street, although these are often isolated from the main activation arteries such as Reservoir Street. The proposed through-site link, assisted by the newly instated link at 52 Reservoir Street, will assist in opening up these existing pockets of activation as well as promoting new activation.

EXISTING + FUTURE STREET NETWORK PROPOSED STREET ACTIVATION



SITE PLAN - PROPOSED STREET NETWORK

THROUGH SITE LINK EXISTING STREET ACTIVATION

Existing street activation in the immediate vicinity of the site is focussed along Reservoir Street. Foster Lane to the north-east of the site boundary has historically been inactive. Recently however, Foster Lane has been provided with a new level of activation with the creation of a through-site link at 52 Reservoir Street along its western boundary edge. This progress to integrate Foster Lane into the Reservoir Street network will be assisted by the proposed through-site link along the eastern boundary of the subject site. The combined effect of new and existing links will encourage increased street activation along Foster Lane, leading off Reservoir Street.



SCALE 1:500

0

5

10

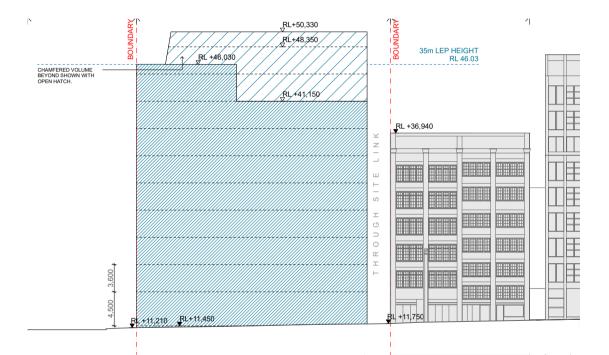
19

PROPOSED DCP CONTROLS

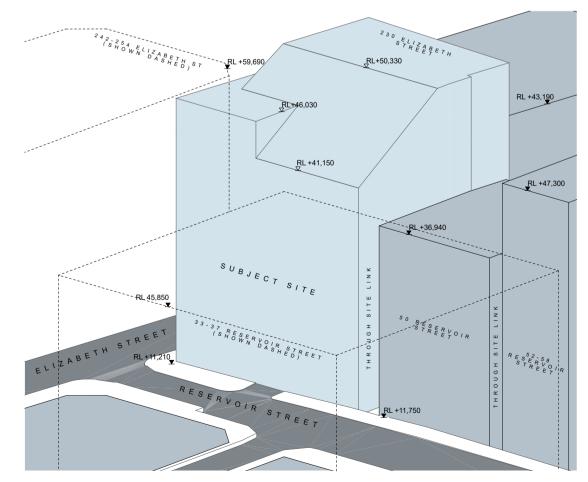
Candalepas Associates







SOUTH ELEVATION - PROPOSED ENVELOPE



ISOMETRIC - PROPOSED ENVELOPE



Candalepas Associates

INDICATIVE PROPOSAL

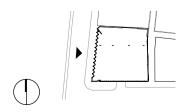
Candalepas Associates

PERSPECTIVE ELIZABETH STREET



PERSPECTIVE VIEW - ELIZABETH STREET

Prepared by Darc Studio.

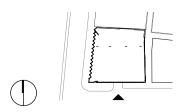


Candalepas Associates



PERSPECTIVE VIEW - RESERVOIR STREET

Prepared by Darc Studio.

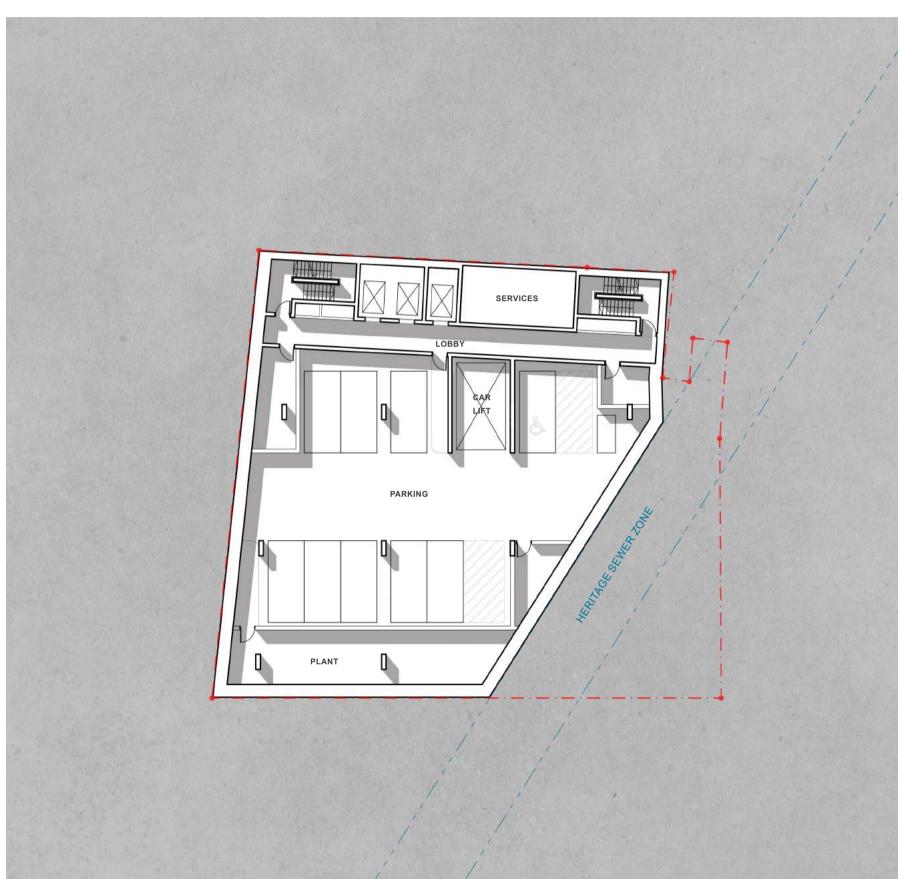


232- 240 Elizabeth St, Surry Hills

24

Candalepas Associates

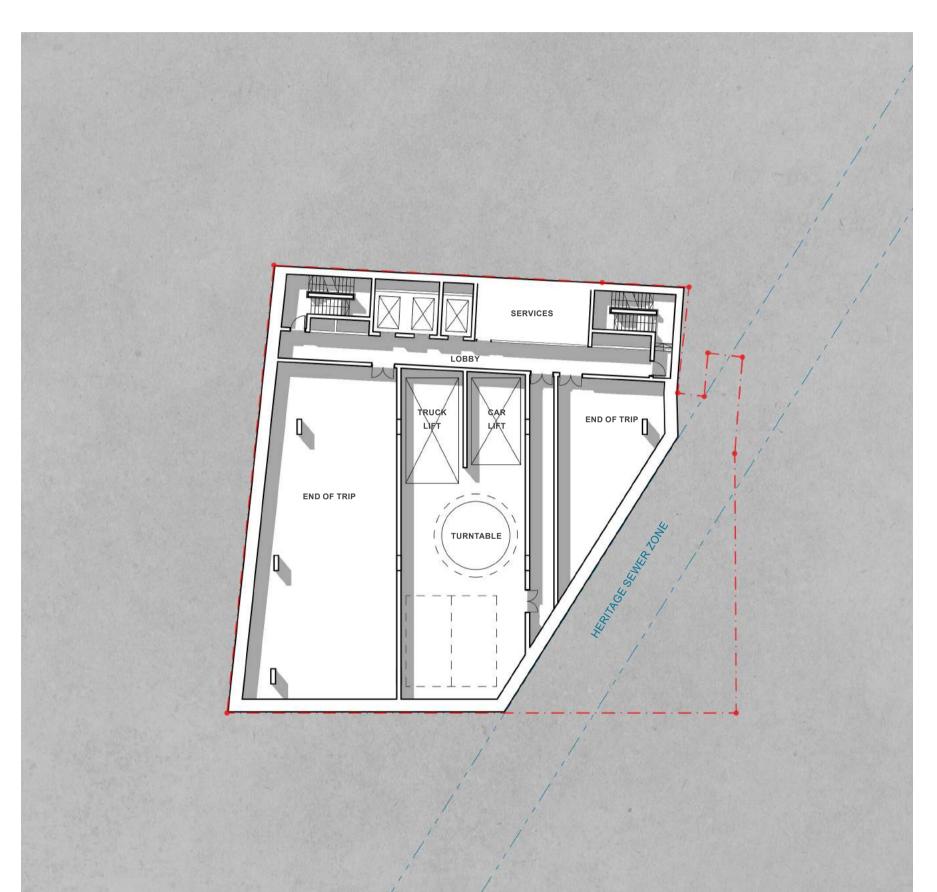
LAYOUT TYPICAL PLANS







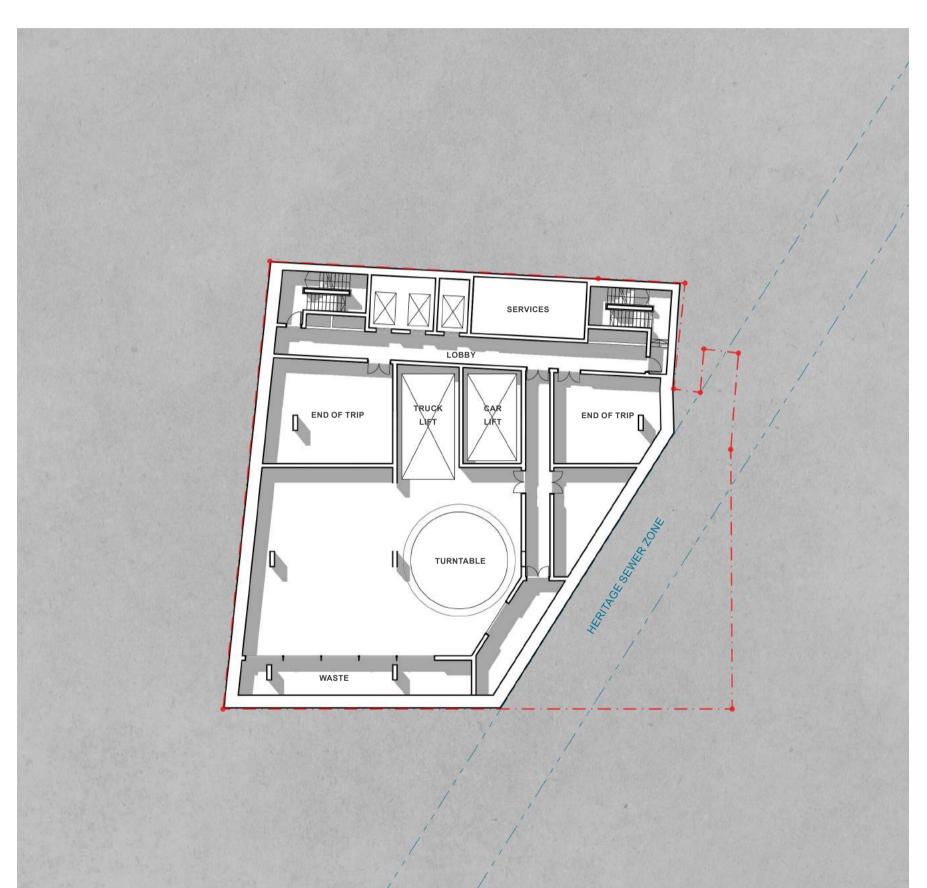
LAYOUT **TYPICAL PLANS**





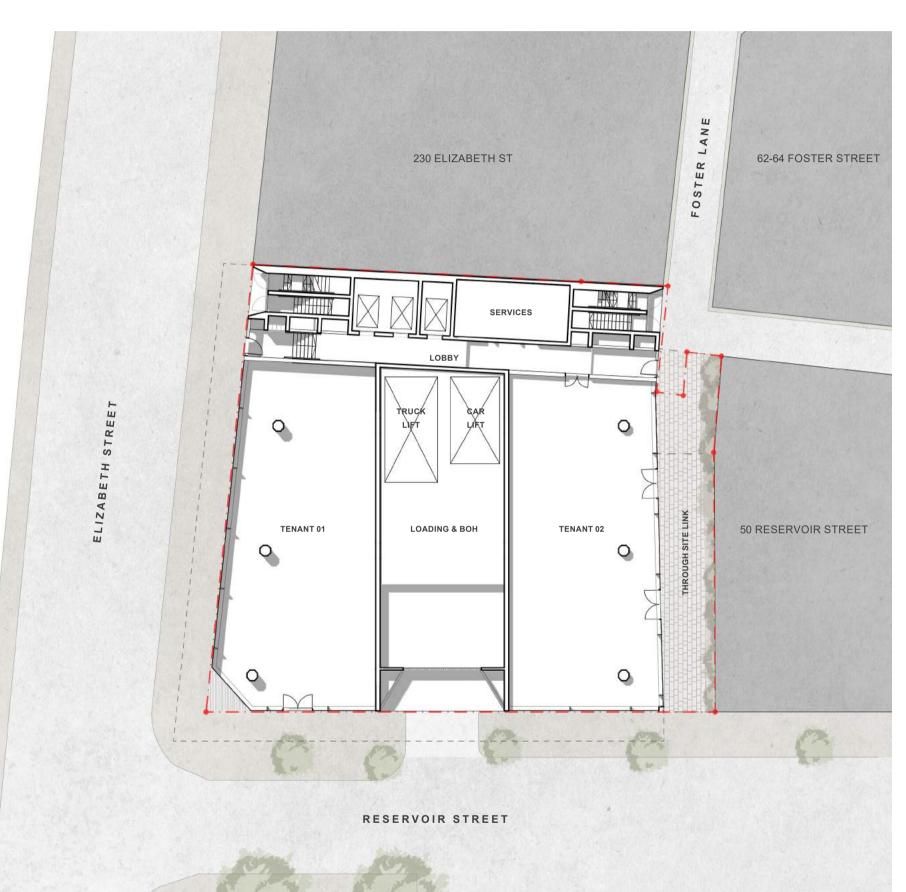
END OF TRIP GFA 270 m²

LAYOUT TYPICAL PLANS





END OF TRIP GFA 270 m²

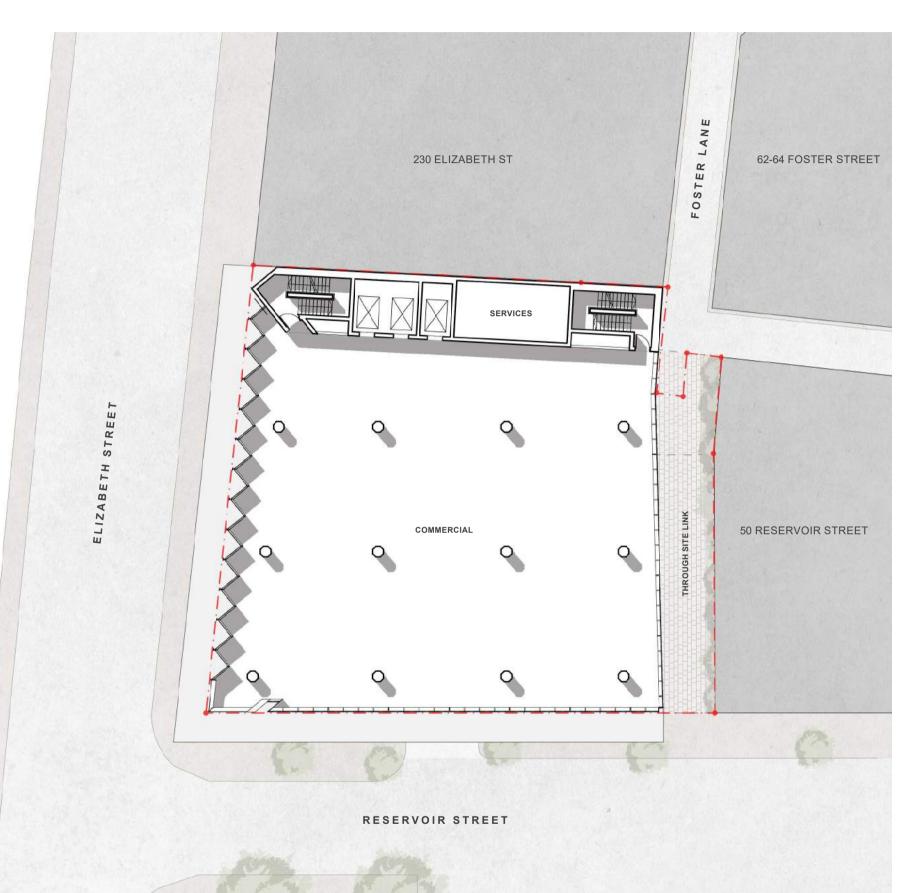






COMMERCIAL GFA80 m²RETAIL GFA452 m²



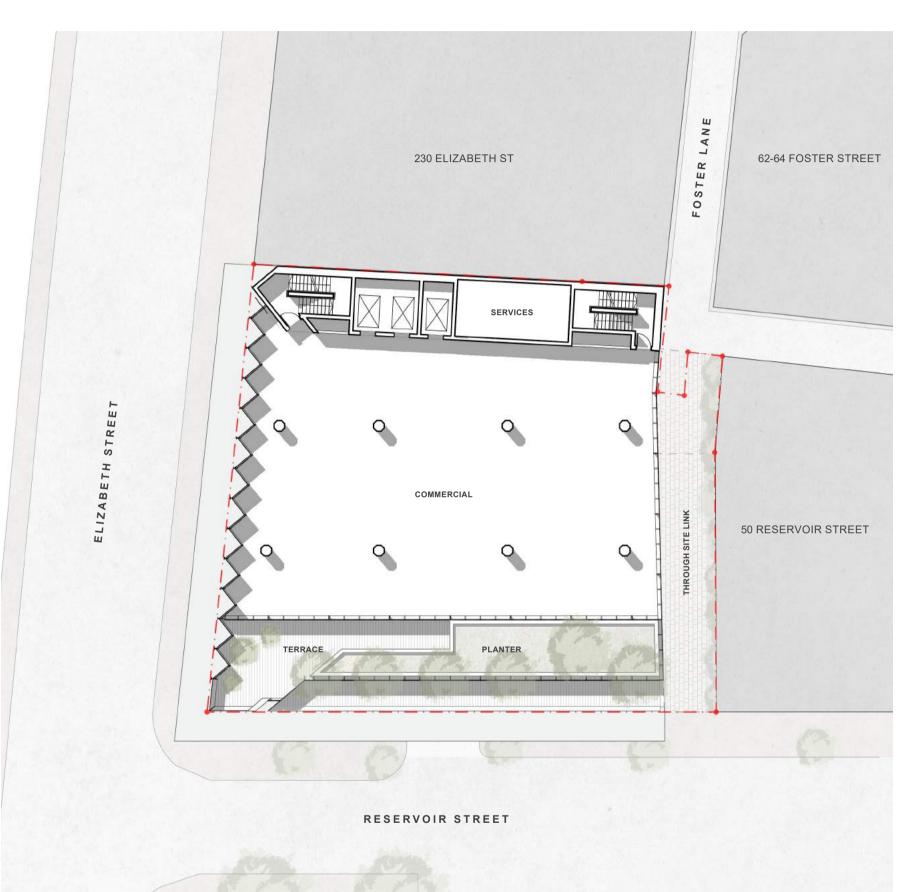




TYPICAL FLOOR PLAN - L1 TO L7

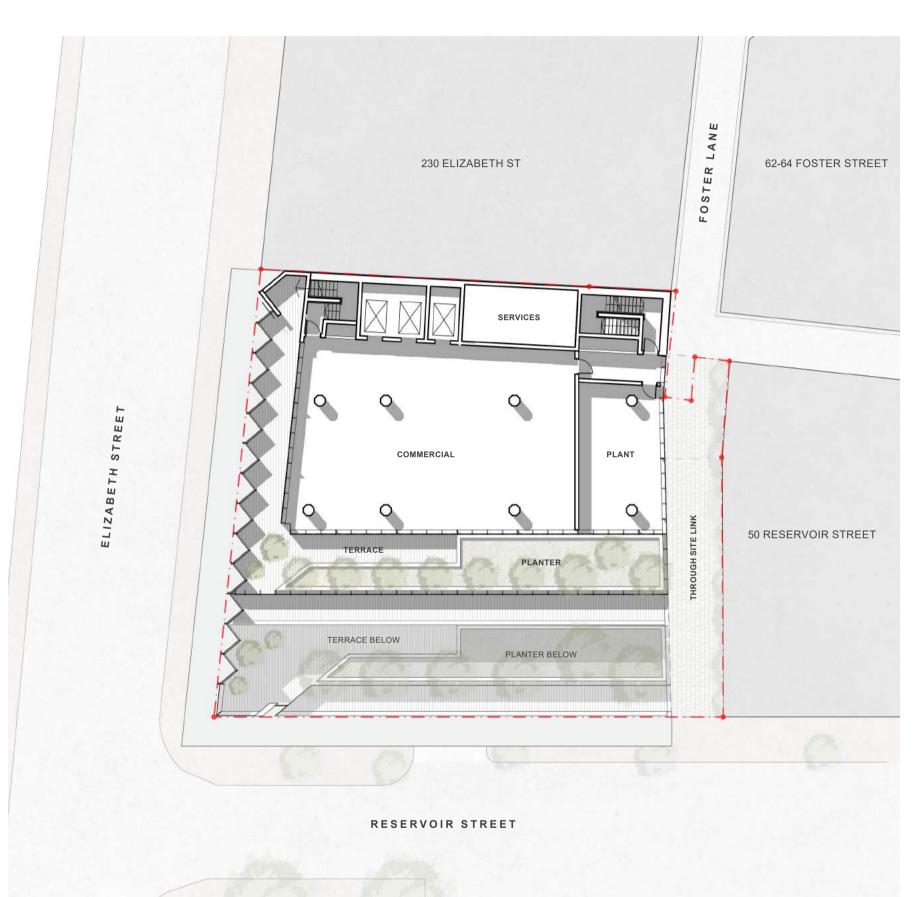
COMMERCIAL GFA 714 m²



















ROOF PLAN





Reeded Glass

WEST ELEVATION - ELIZABETH STREET



Off-form Concrete

President Avenue Apartments, Candalepas Associates Cullen Aalhuitzen House, Plain English Design Candalepas Associates

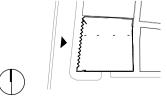
Stainless Steel

Virchow 6, Álvaro Siza Vieira

Dark Painted Steel

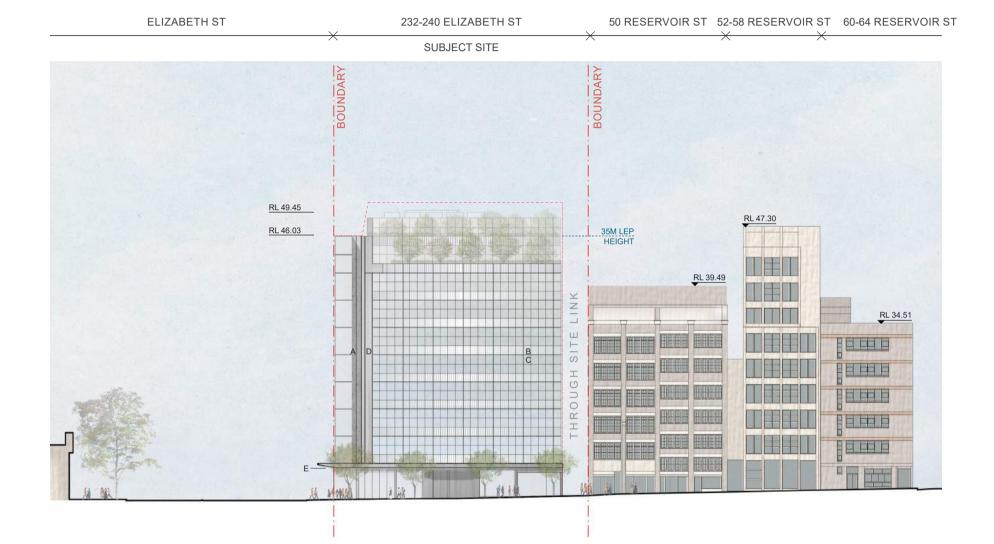
QT Hotel, Melbourne, Candalepas Associates

MATERIALS



Candalepas Associates

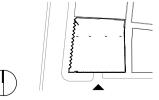




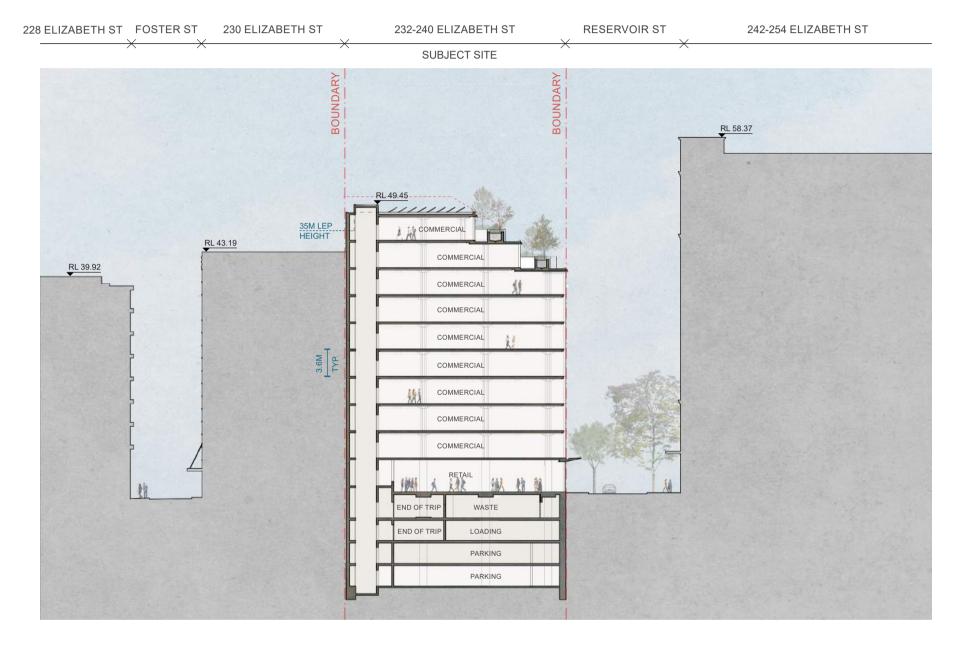




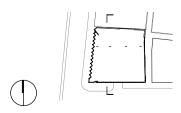
MATERIALS



Candalepas Associates

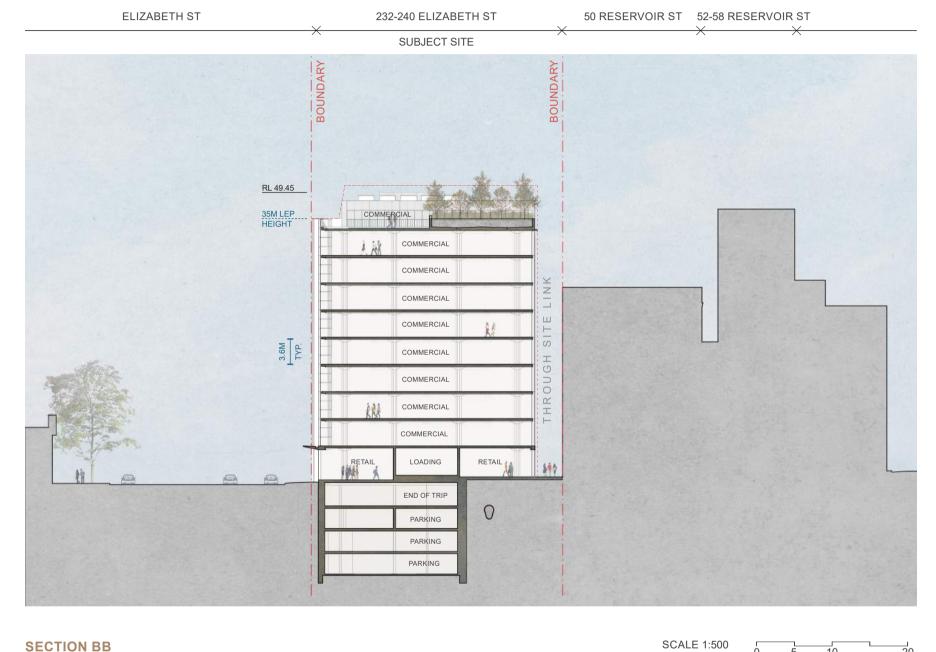


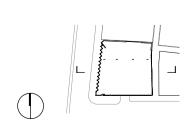
SECTION AA



35

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0

5

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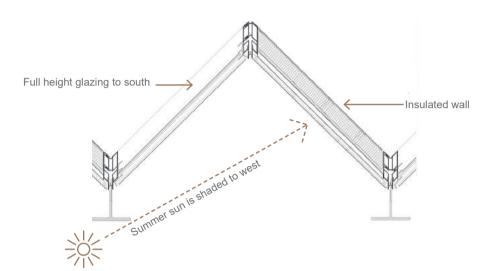
Candalepas Associates



ELEVATION

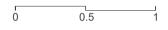
Elizabeth St Elevation Detail

NTS



PLAN

Typical Plan Detail



SECTION

Typical Section Detail

SCALE 1:50

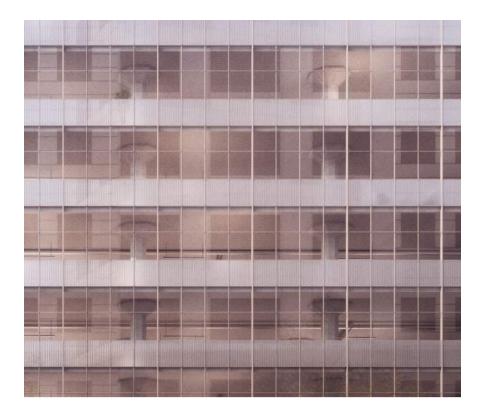




Legend

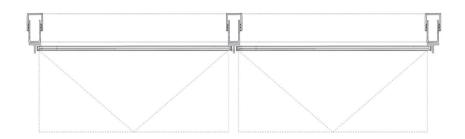
1 Clear glass

- 2 Ribbed glass
- 3 Double glazed unit
- 4 Stainless Steel Frame

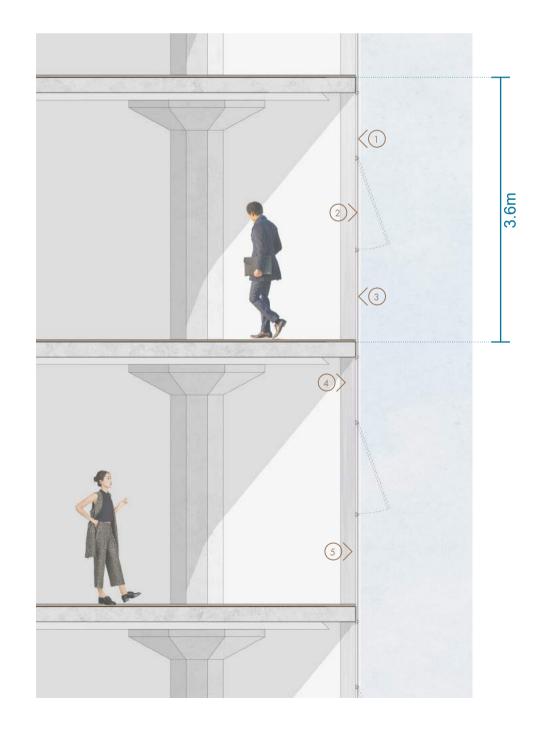


ELEVATION

Reservoir St Elevation Detail NTS







SECTION

Typical Section Detail

SCALE 1:50



- Legend
- 1 Clear glass
- 2 Operable Glass
- 3 Ribbed Glass
- 4 Steel frame
- 5 Double glazed unit

FACADE DETAILS THROUGH SITE LINK



ELEVATION

Through Site Link Detail NTS

SECTION

Typical Section Detail

SCALE 1:50



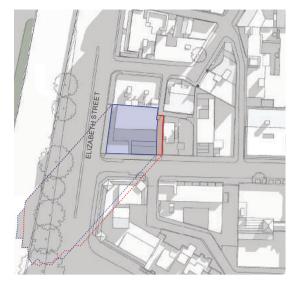
Legend

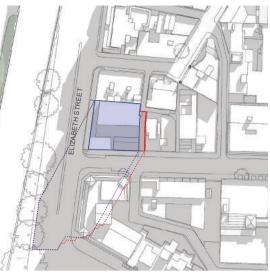
1 Glazed Entry Door

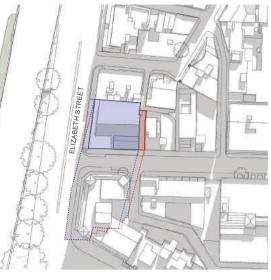
2 Stone Paving



SOLAR ANALYSIS SHADOW DIAGRAMS



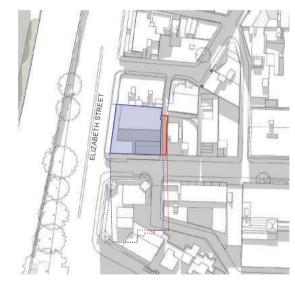




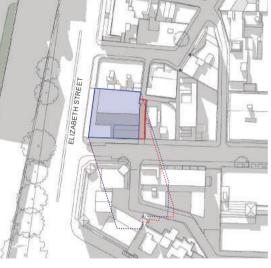
11AM JUNE 21



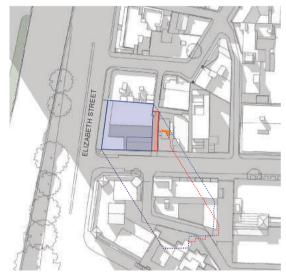
10AM JUNE 21



12PM JUNE 21



1PM JUNE 21



2PM JUNE 21



LEGEND

EXISTING SHADOW

3PM JUNE 21

APPROVED STAGE 1 DA ENVELOPE (DA/2016/1451)

APPROVED STAGE 1 DA SHADOW ON GROUND (DA/2016/1451)

PROPOSED ENVELOPE

PROPOSED SHADOW ON GROUND

PROPOSED SHADOW INCREASE

PROPOSED SHADOW REDUCTION



SOLAR ANALYSIS RESERVOIR STREET SHADOW ELEVATIONS



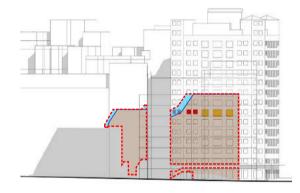
11AM JUNE 21



9AM JUNE 21



12PM JUNE 21



1PM JUNE 21

10AM JUNE 21



2PM JUNE 21



LEGEND

EXISTING SHADOW APPROVED STAGE 1 DA SHADOW ENVELOPE (DA/2016/1451) PROPOSED SHADOW ENVELOPE PROPOSED ADDITIONAL SHADOW PROPOSED SHADOW REDUCTION 601/242-254 ELIZABETH ST 602/242-254 ELIZABETH ST

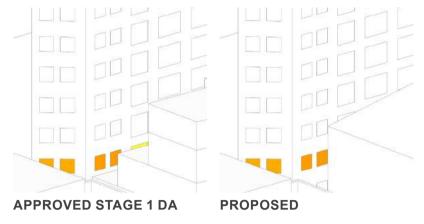
As illustrated in the adjacent diagrams, the proposed envelope provides an overall

3PM JUNE 21

reduction in shadow cast when compared to the approved Stage 1 DA envelope. Both residential apartment buildings at 242-254 Elizabeth St & 33-37 Reservoir St are provided greater solar access on their north facing elevations than previously approved.

Candalepas Associates





9AM JUNE 21

10AM JUNE 21



9:30AM JUNE 21



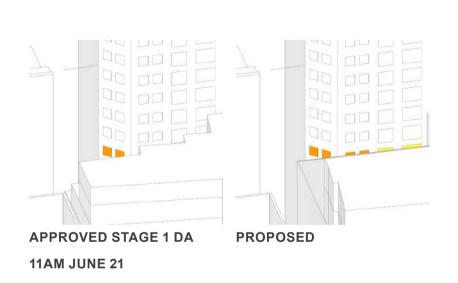


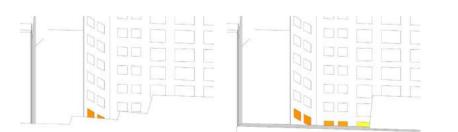


APPROVED STAGE 1 DA 10:30AM JUNE 21



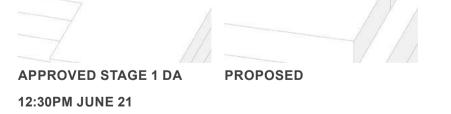
PROPOSED











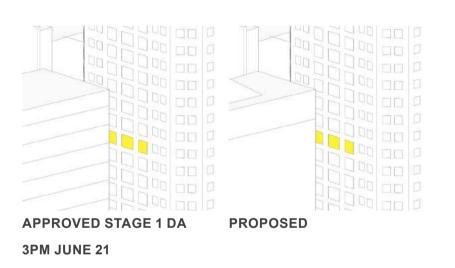
LEGEND

601/242-254 ELIZABETH ST

602/242-254 ELIZABETH ST

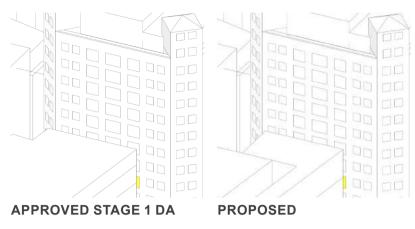




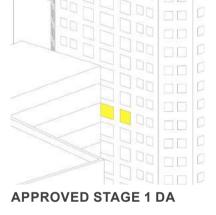


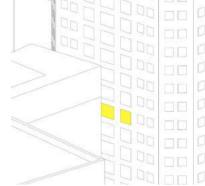
LEGEND

601/242-254 ELIZABETH ST 602/242-254 ELIZABETH ST



1:30PM JUNE 21





DA PROPOSED

2:30PM JUNE 21

242 ELIZABETH ST - UNITS 601&602 COMPARATIVE SOLAR ACCESS

The following table shows the period(s) during which at least 1sqm of living space is exposed to direct sunlight for units 601 & 602 of 242-254 Elizabeth Street. As demonstrated, the proposed envelope provides a solar improvement to both apartments when compared to the approved envelope. In particular, the proposed envelope provides over 2 hours of solar access to both units which exceeds the minimum provisions of the Apartment Design Guide. It is noted that the previously approved envelope did not meet this requirement.

APPROVED

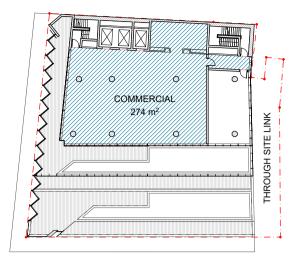
UNIT NO.	9.00 AM	9.30 AM	10.00 AM	10.30 AM	11.00 AM	11.30 AM	12.00 PM	12.30 PM	1.00 PM	1.30 PM	2.00 PM	2.30 PM	3.00 PM	TOTAL HOURS	2 + HOURS	CHANGE
601														3HR 45M I N	COMPLIES	N⁄A
602														1HR 45MIN	NON-COMPLIANCE	N⁄A

PROPOSED																
UNIT NO.	9.00 AM	9.30 AM	10.00 AM	10.30 AM	11.00 AM	11.30 AM	12.00 PM	12.30 PM	1.00 PM	1.30 PM	2.00 PM	2.30 PM	3.00 PM	TOTAL HOURS	2 + HOURS	CHANGE
601														4HR 15MIN	COMPLIES	+13%
602														2HR 15MIN	COMPLIES	+28%

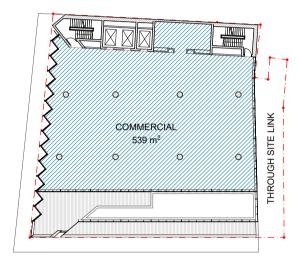
INDICATES DIRECT SUN ACCESS TO GLAZING TO LIVING SPACE – OVER 1 SQM

Candalepas Associates

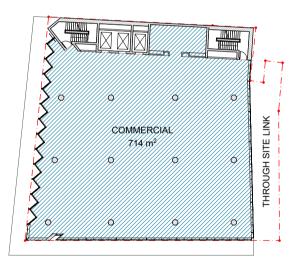
INDICATIVE PROPOSAL - PLANS



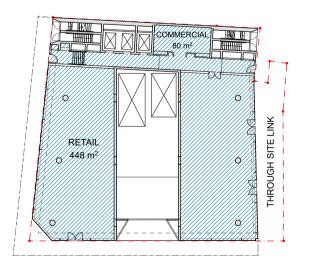
LEVEL 9 PLAN



LEVEL 8 PLAN



TYPICAL PLAN - L1- L7



EXISTING CONTROLS - SYDNEY LEP 2012

SITE AREA: ZONE: HEIGHT: STOREYS: FSR: GFA:	905.6 SQM B4 - MIXED USE 35M 10 5:1 4,528 SQM
MAX. PARKING:	1 SPACE/200 SQM +1 ACCESSIBLE VISITOR/20 SPACES +1 SERVICE SPACE
GREENING & TERRACE:	135.84 SQM (15% SITE AREA)
END OF TRIP:	271.68 SQM (FSR 0.3:1)

INDICATIVE PROPOSAL - YIELD ANALYSIS

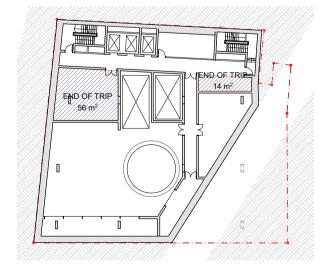
SITE AREA: ZONE: HEIGHT: STOREYS: FSR: GFA:	905.6 SQM B4 - MIXED USE 35M 9 7:1 6,339 SQM
MAX. PARKING:	16 CAR PARKING SPACES +2 ACCESSIBLE PARKING SPACES +1 SERVICE SPACE +2 MOTORCYCLE PARKING SPACES
GREENING & TERRACE:	143 SQM (15% SITE AREA)
END OF TRIP:	270 SQM (FSR 0.3:1) +42 STAFF BICYCLE PARKS +42 STAFF LOCKERS +7 SHOWER & CHANGE CUBICLES +21 VISITOR BICYCLE PARKS
GROUND	APPPOY 448 SOM

GROUND LEVEL 1 LEVEL 2 LEVEL 3 LEVEL 4 LEVEL 5 LEVEL 6 LEVEL 7 LEVEL 8 LEVEL 9

PROPOSED TOTAL GFA PROPOSED FSR

APPROX.448 SQM APPROX.714 SQM APPROX.539 SQM APPROX.274 SQM

6,259 SQM 7:1



GROUND FLOOR PLAN

BASEMENT 1 PLAN



Appendix B – Deposited Plan – Public Road Dedication Limited in Stratum



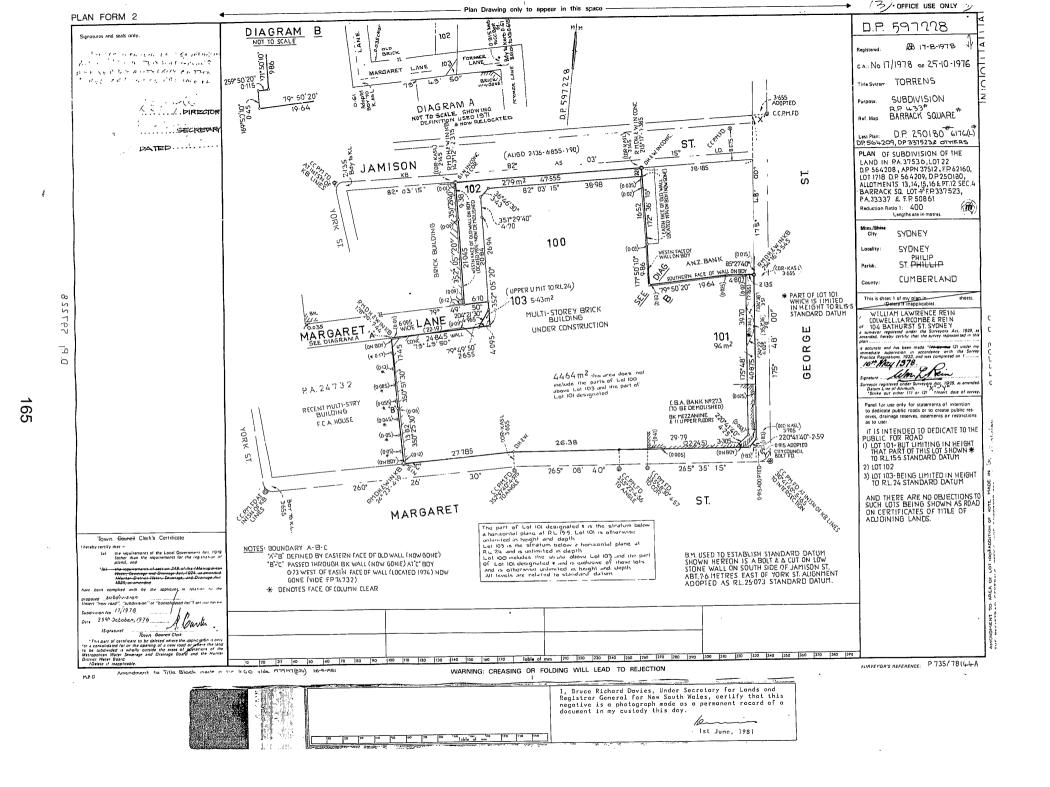


CERTIFICATE ORDER SUMMARY

Transaction Details

Date: 12/07/2023 09:20 Order No. 80291562 Certificate No: 119523826 Your Reference: 3642636 Certificate Ordered: NSW LRS - Copy of Plan - Deposited Plan 597228 Available: Y Size (KB): 120 Number of Pages: 1 Scan Date and Time: 10/09/1992 09:57

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/Seg: 09:20 Req:R867814 /Doc:DP 0597228 P /Rev:10-Sep-1992 /NSW LRS © Office of the Registrar-General /Src:DyeDurham /Ref:

/Prt:12 /Pgs:ALL