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

URBAN DESIGN REPORT

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.

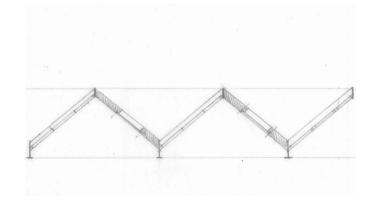
The Property is known as 232-240 Elizabeth, and is formally identified as 232-236A Elizabeth Street (SP71301), 238-240 Elizabeth Street (Lots 1&2, DP779385; Lot 1, DP664653). The combined site area is 905.6 square metres and is located within the Eastern Creative and Camperdown-Ultimo Health and Education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

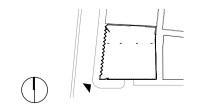
The proposed development offers an appropriate and compatible addition to this part of Surry Hills, giving an opportunity to provide floor space in support of the Eastern Creative Precinct. This is consistent with the objectives of providing economic development, innovation and jobs in this key strategic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





PERSPECTIVE VIEW - ELIZABETH STREET

Artistic representation of the proposed development. Prepared by Darc Studio.



SITE ANALYSIS



AERIAL PHOTOGRAPH





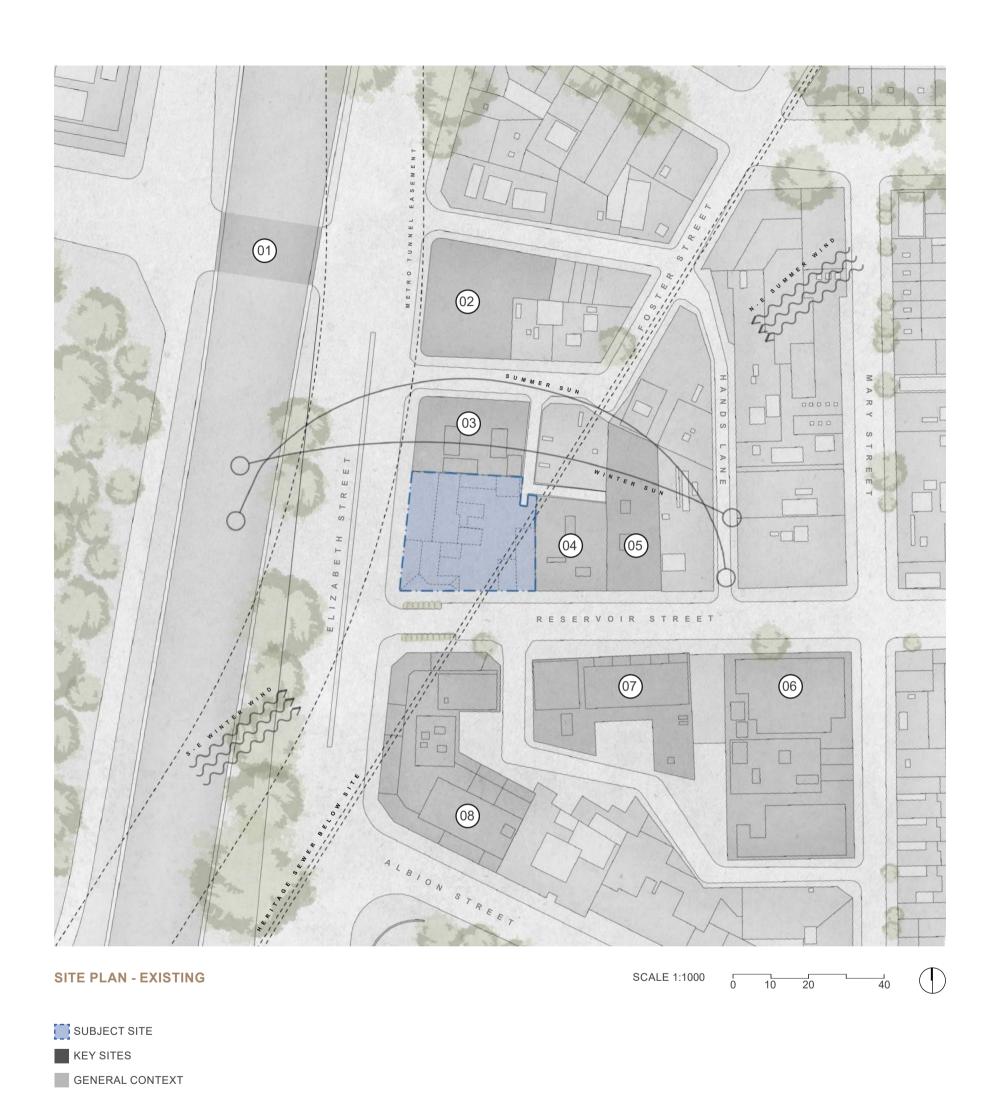
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Site Address 232-240 Elizabeth Street, Surry Hills NSW 2010

Site Details 232-236A Elizabeth Street - SP 1379

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



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 06 07	N/A (Railway Bridge) 228 Elizabeth St 230 Elizabeth St 50 Reservoir St 52-58 Reservoir St 45 Reservoir St 33-37 Reservoir St 242-254 Elizabeth St	Infrastructure Residential Mixed Use Commercial Commercial Commercial Residential Residential	1 Storey 9 Storey 9 Storey 7 Storey 9 Storey 7 Storey 10 Storey 14 Storey







02. 228 Elizabeth Street



03. 230 Elizabeth Street



(Subject Site at end of lane)



Subject Site 232-236 Elizabeth Street



Subject Site 238-240 Reservoir 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



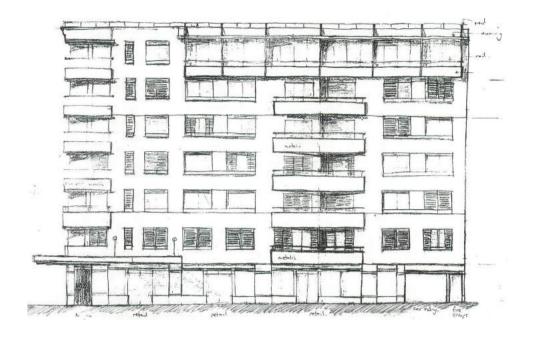
07. 33-37 Reservoir Street



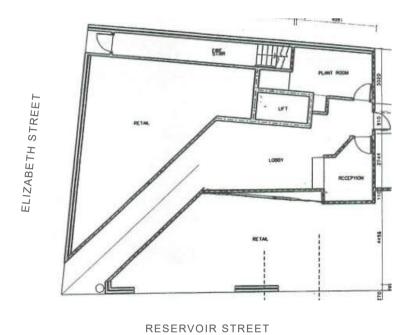
08. 242-254 Elizabeth Street



260 Elizabeth Street







1999 Development Proposal (Joshua Farkash & Associates)



RESERVOIR STREET

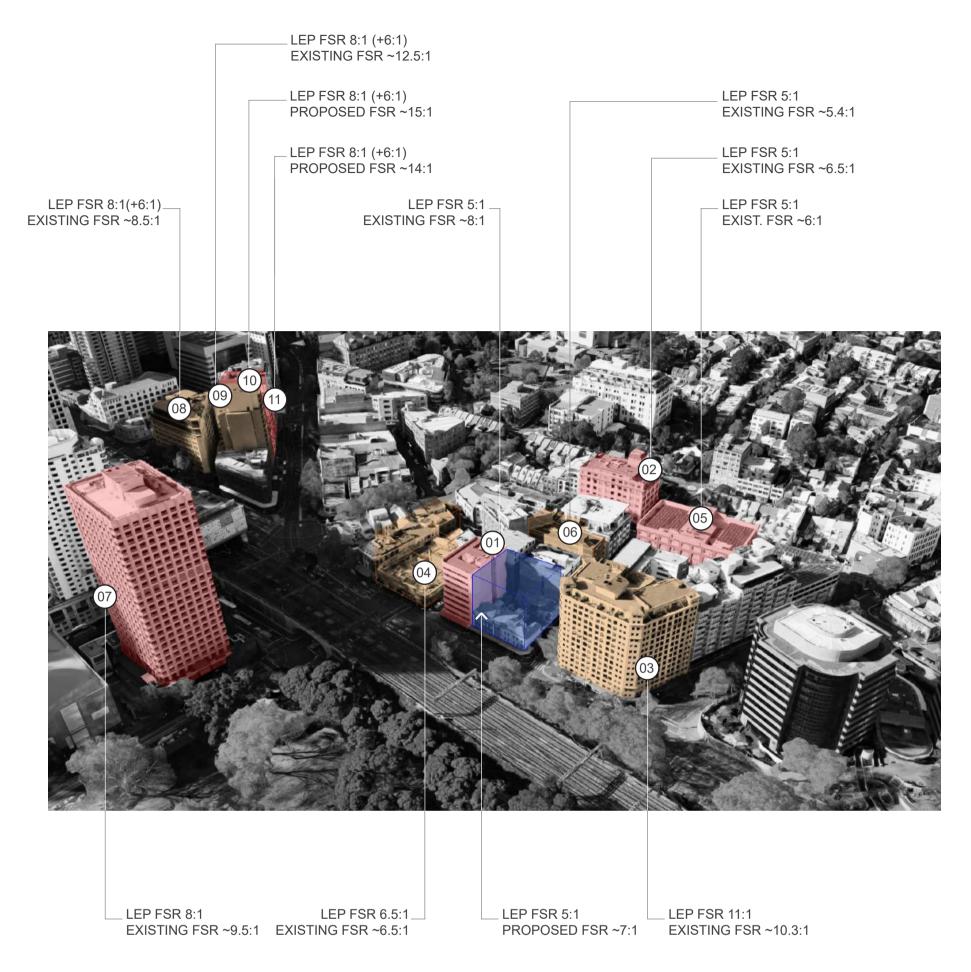
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2016 DA/2016/1451 (MHN Design Union)

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.

URBAN STUDY + CONSIDERATIONS



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

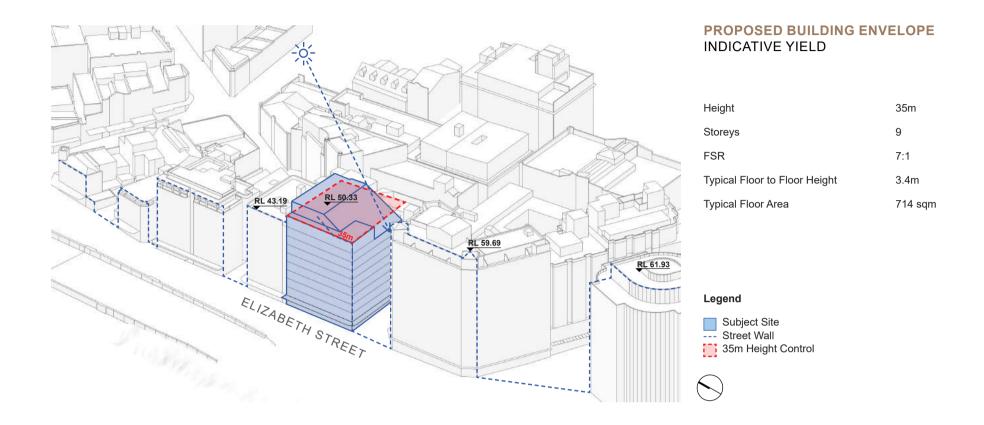
Buildings in excess of current SLEP 2012 density control Compliant high density buildings (in excess of 5:1)



Key Surrounding Buildings

No.	Address	Use	Storeys
01 02 03 04 05 06 07 08 09	230 Elizabeth St 74-80 Reservoir St 242-254 Elizabeth St 228 Elizabeth St 45 Reservoir St 52-58 Reservoir St 323 Castlereagh St 111 Goulburn St 61-65 Wentworth Ave 55-59 Wentworth Ave	Mixed Use Commercial Residential Residential Commercial Commercial Commercial Accommodation Accommodation	9 Storey 7 Storey 14 Storey 9 Storey 7 Storey 9 Storey 23 Storey 10 Storey 18 Storey 20 Storey
11	47-53 Wentworth Ave	Mixed Use	10 Storey

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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.

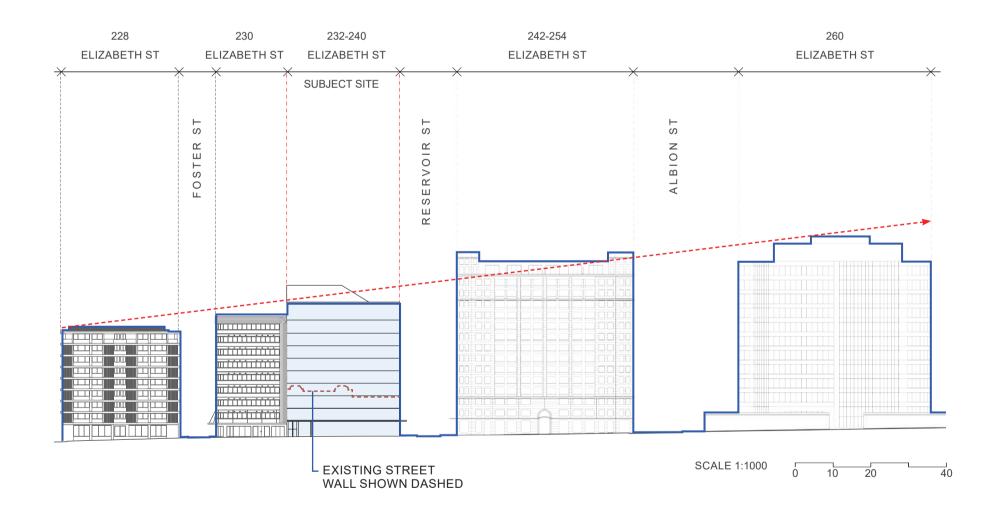
A consistent street wall is established along Elizabeth Street, infilling the previously underdeveloped site and resulting in a good urban outcome.

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.

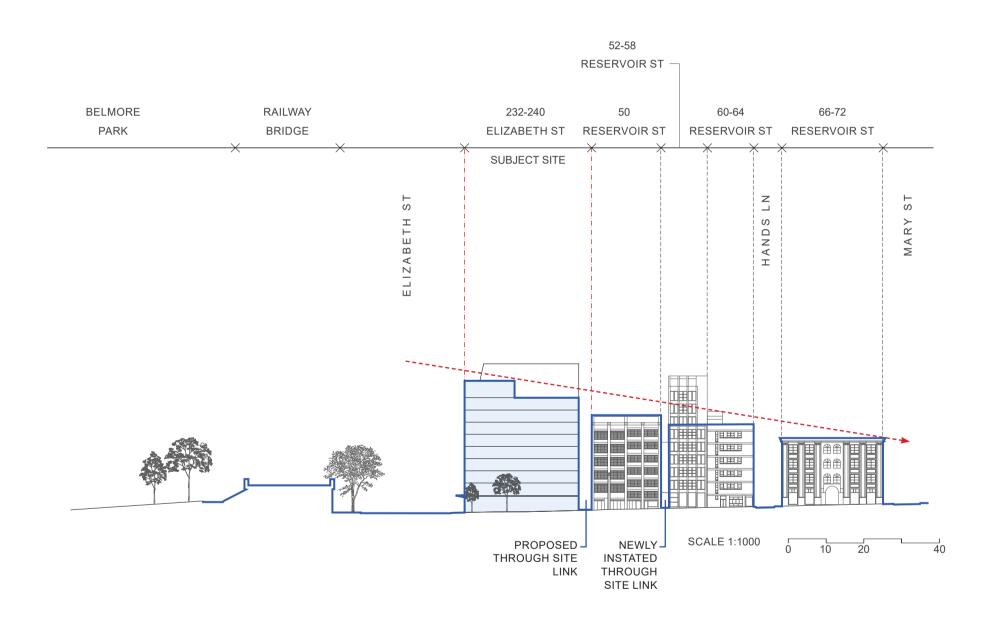
ELIZABETH STREET ELEVATION

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 Subject Site Street Wall Average Street Wall Projection

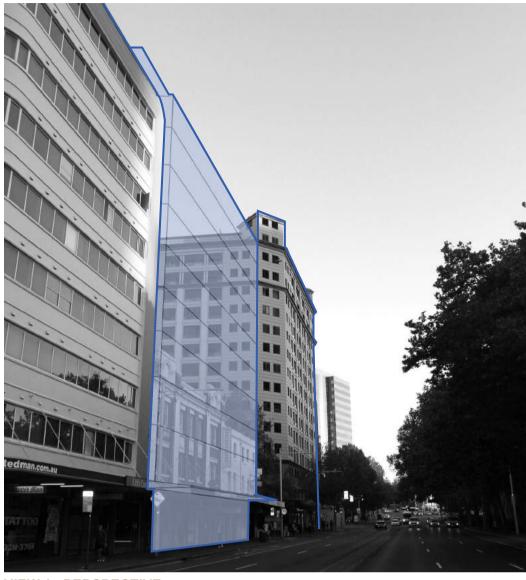
The existing street wall has a broad trend, but, unlike Elizabeth Street, features a greater level of variation. As such, the proposed volume chiefly seeks to mediate between the prevailing Elizabeth Street height and that of Reservoir Street. This is achieved by the stepped facade, which also allows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



Legend

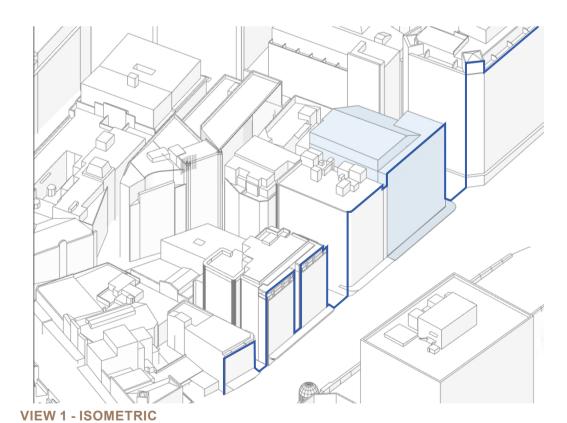
Subject Site
Street Wall

-> Average Street Wall Projection



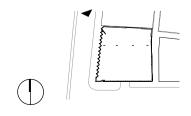
VIEW 1 - PERSPECTIVE

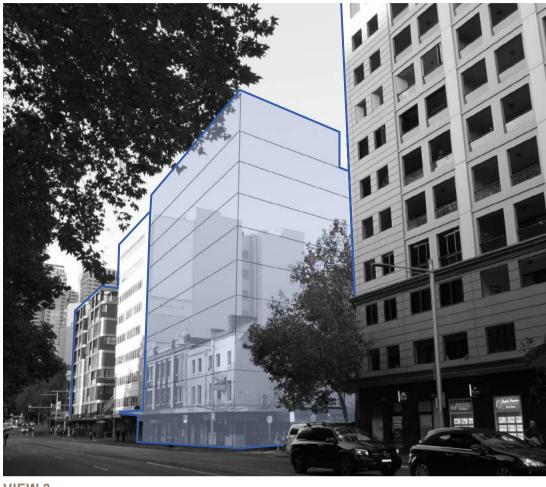
Approaching the site along Elizabeth Street from the north, there is a significant inconsistency in the street wall caused by the height of the existing buildings on the site. This interruption of the prevailing trend in the street wall represents a bad urban outcome. The proposed volume, on the other 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.



Legend

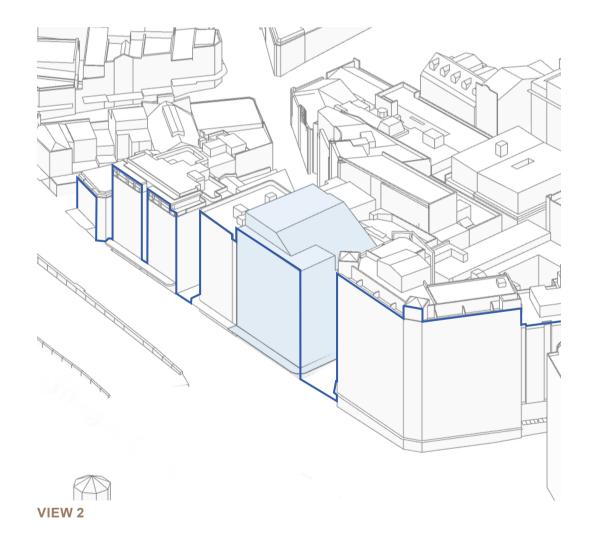






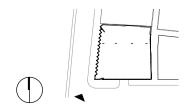
Approaching the site along Elizabeth Street from the south, the inconsistency noted earlier is even more pronounced. In particular, the large blank wall presented by 230 Elizabeth Street along the site boundary represents a bad urban outcome. The proposed volume, on the other hand, resolves this issue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

VIEW 2



Legend

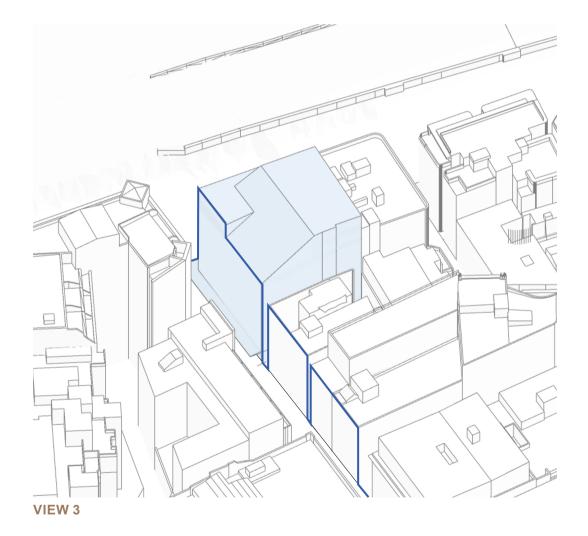






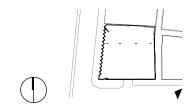
Approaching the site along Reservoir Street from the east, the height inconsistency of the street wall is less pronounced than along Elizabeth Street due to the more constricted views permitted. However, the proposed volume would bring the site more broadly into line with the heights of the buildings 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.





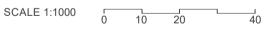
Legend







SITE PLAN - EXISTING STREET NETWORK





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SUBJECT SITE

W 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.



SITE PLAN - PROPOSED STREET NETWORK

THROUGH SITE LINK

W EXISTING STREET ACTIVATION

W POTENTIAL 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.

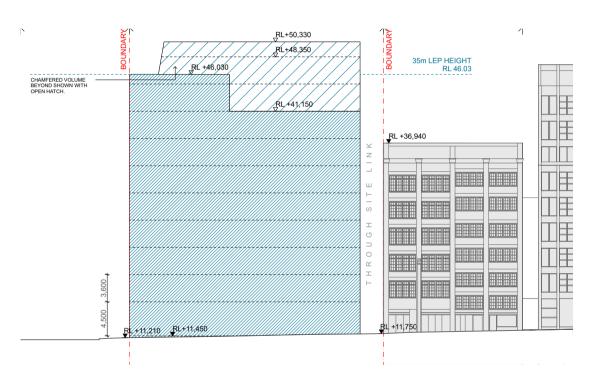




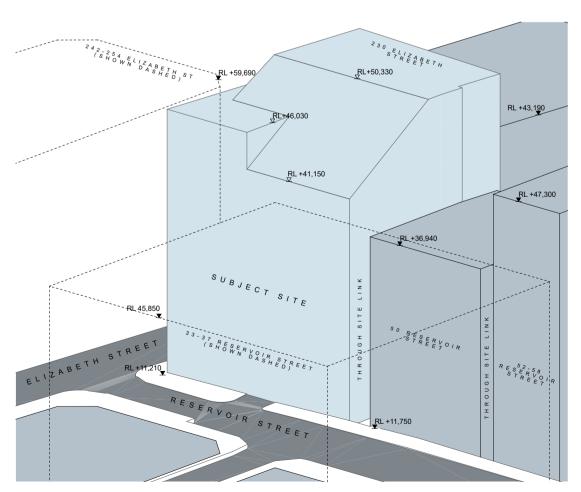
PROPOSED DCP CONTROLS



ROOF PLAN - PROPOSED ENVELOPE



SOUTH ELEVATION - PROPOSED ENVELOPE



ISOMETRIC - PROPOSED ENVELOPE

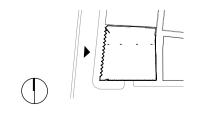


INDICATIVE PROPOSAL



PERSPECTIVE VIEW - ELIZABETH STREET

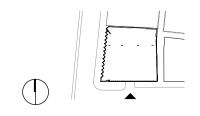
Artistic representation of the proposed development. Prepared by Darc Studio.

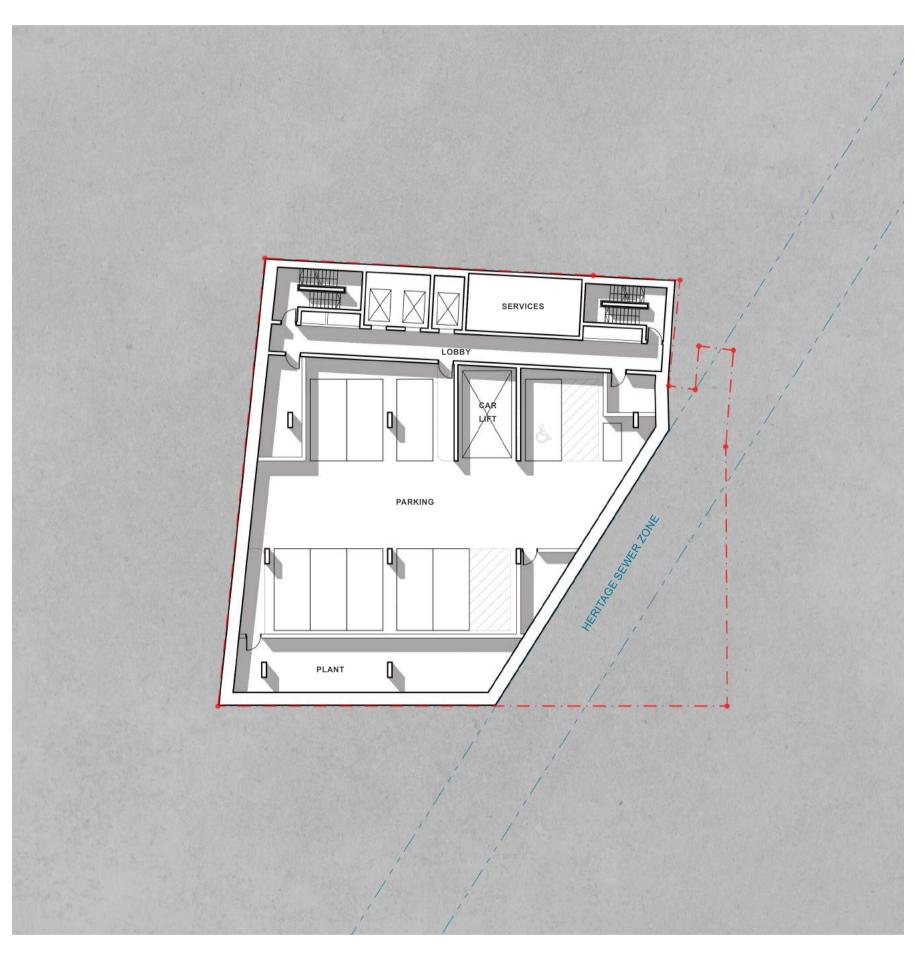




PERSPECTIVE VIEW - RESERVOIR STREET

Artistic representation of the proposed development. Prepared by Darc Studio.

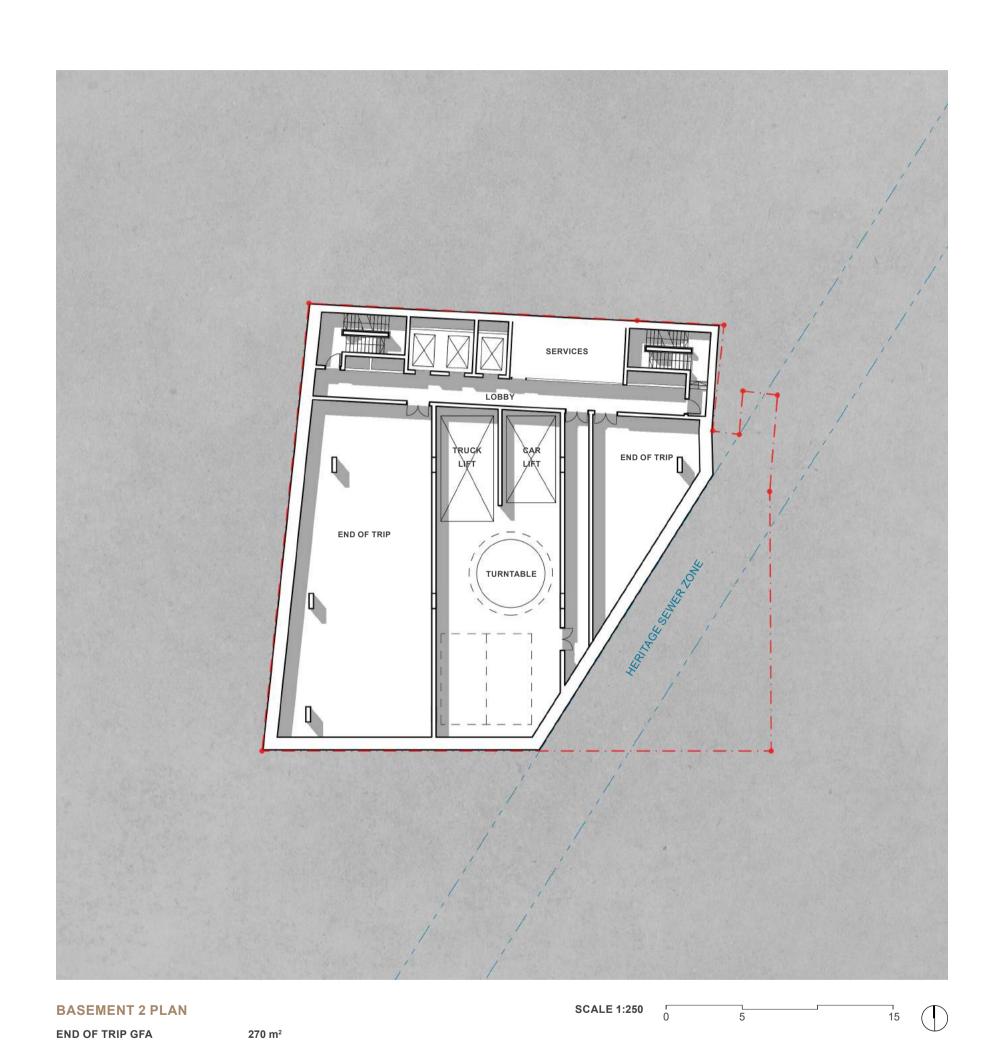


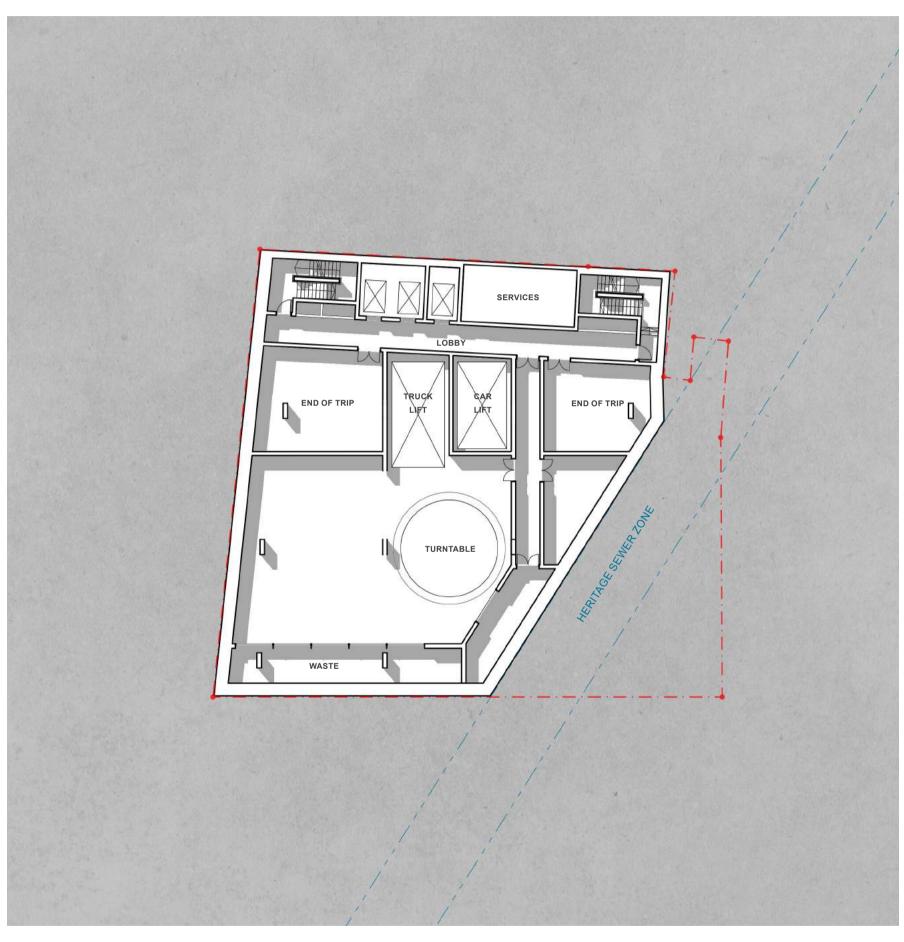


BASEMENT 3-4 PLAN

CAR PARKS PER LVL 9
MOTORCYCLE PARKS PER LVL 1













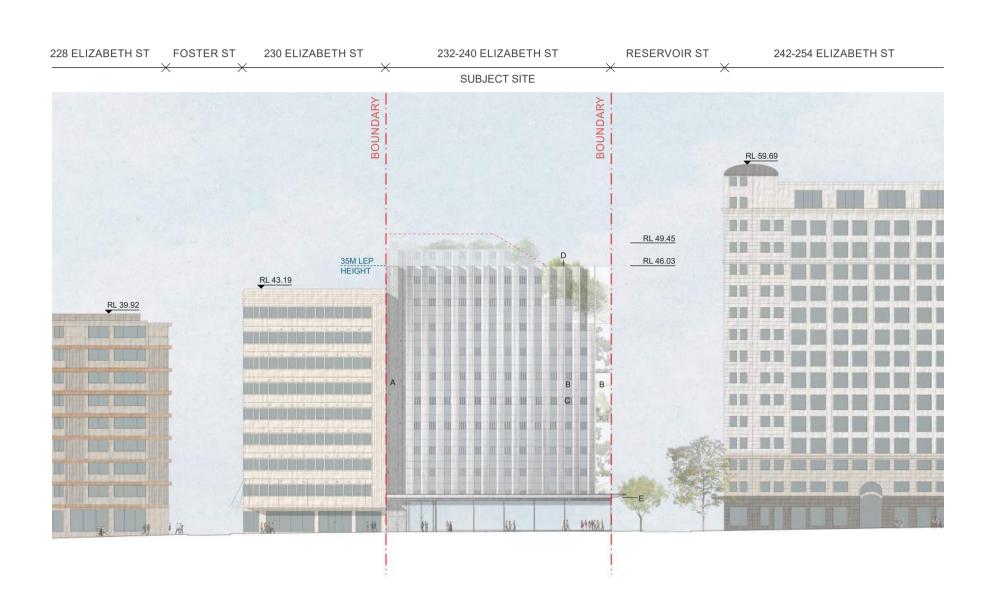




COMMERCIAL GFA TERRACE PLANT

275 m² 37 m² 173 m²





WEST ELEVATION - ELIZABETH STREET















Off-form Concrete

President Avenue Apartments, Candalepas Associates

Glass Cullen Aalhuitzen House, Candalepas Associates

Reeded Glass

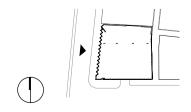
Plain English Design

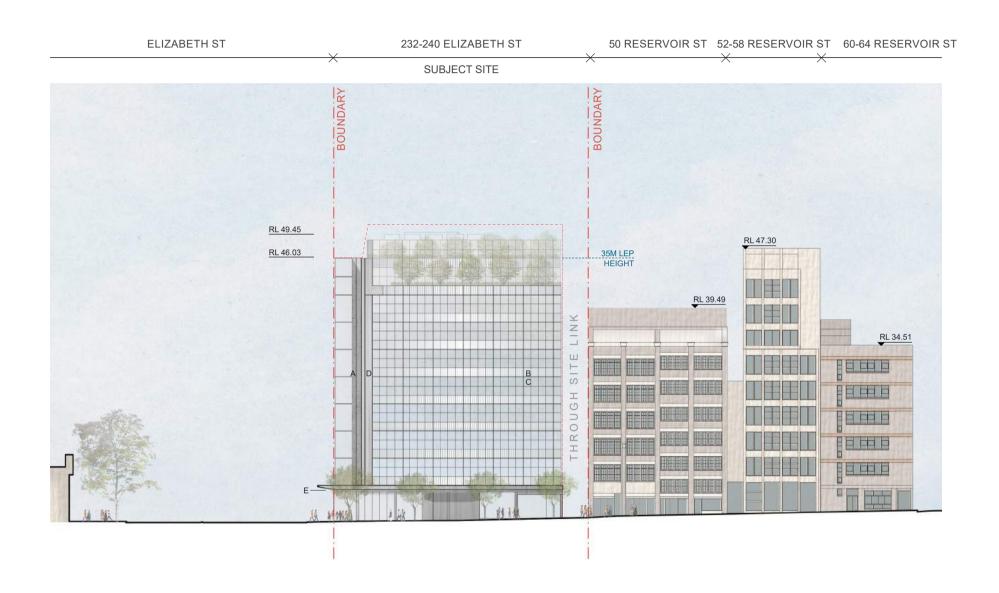
Stainless Steel

Virchow 6, Álvaro Siza Vieira **Dark Painted Steel**

QT Hotel, Melbourne, Candalepas Associates

MATERIALS





SOUTH ELEVATION - RESERVOIR STREET















Off-form Concrete President Avenue Apartments,

Candalepas Associates

Glass Cullen Aalhuitzen House, Candalepas Associates

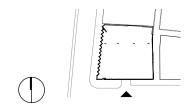
Reeded Glass Plain English Design

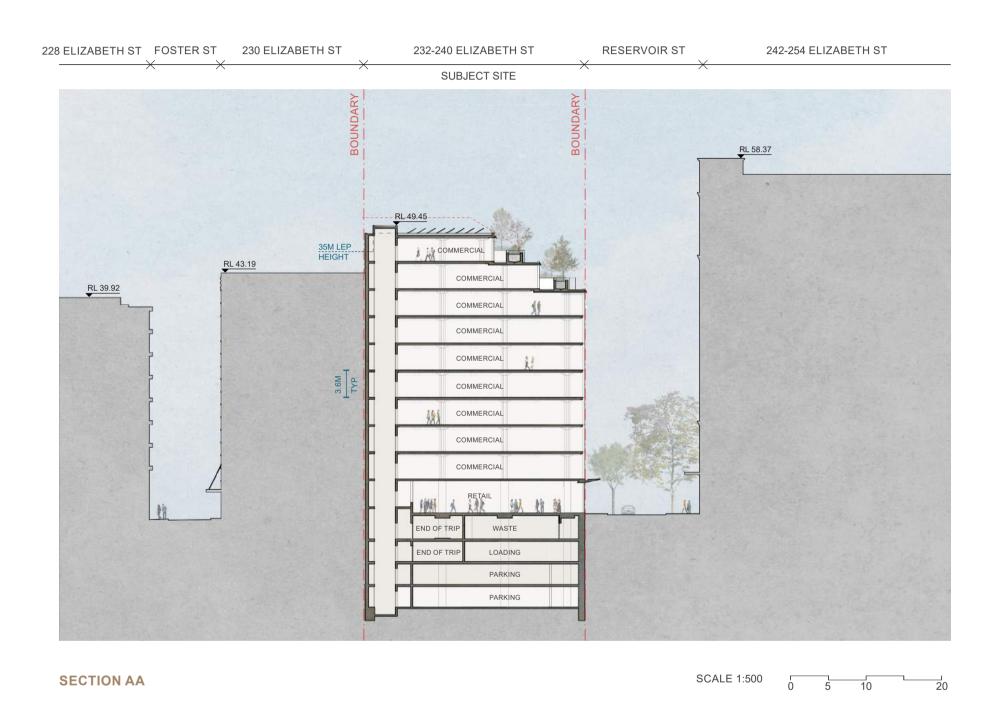
Virchow 6, Álvaro Siza Vieira

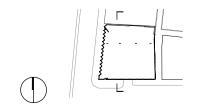
Stainless Steel

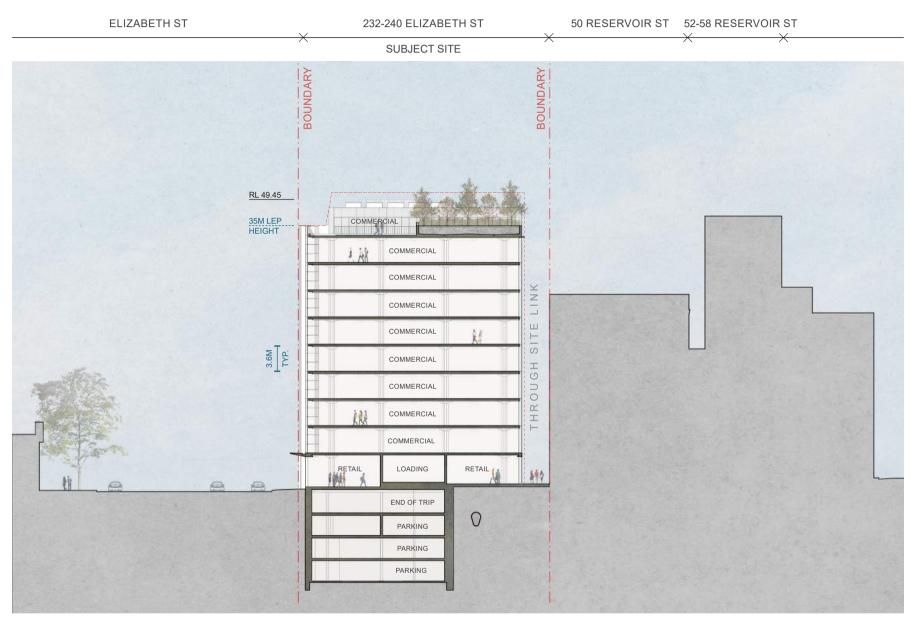
Dark Painted Steel QT Hotel, Melbourne, Candalepas Associates

MATERIALS

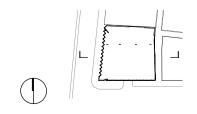










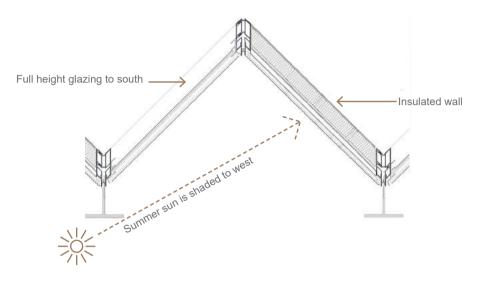




ELEVATION

Elizabeth St Elevation Detail

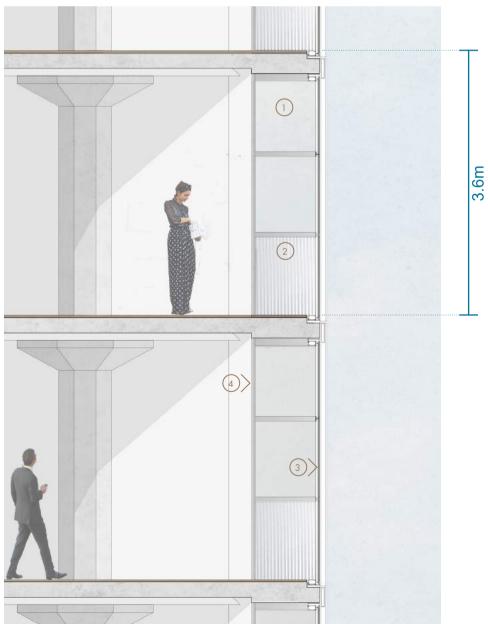
NTS



PLAN

Typical Plan Detail





SECTION

Typical Section Detail

SCALE 1:50



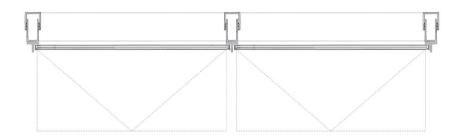
Legend

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



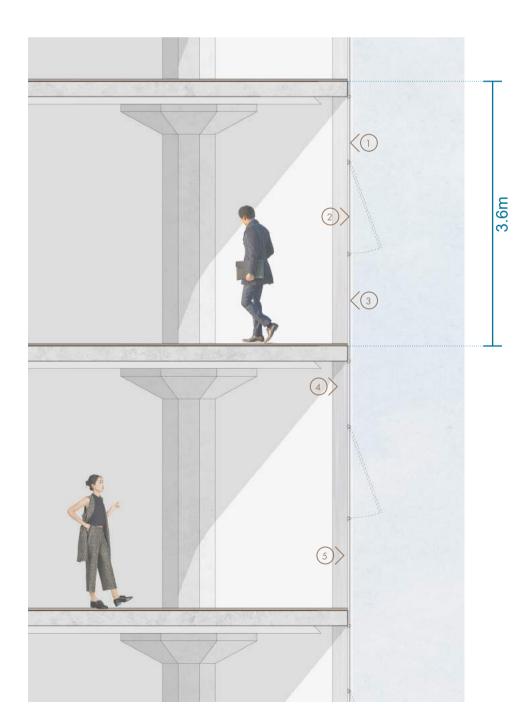
ELEVATION

Reservoir St Elevation Detail NTS



PLAN

Typical Plan Detail



SECTION

Typical Section Detail

SCALE 1:50



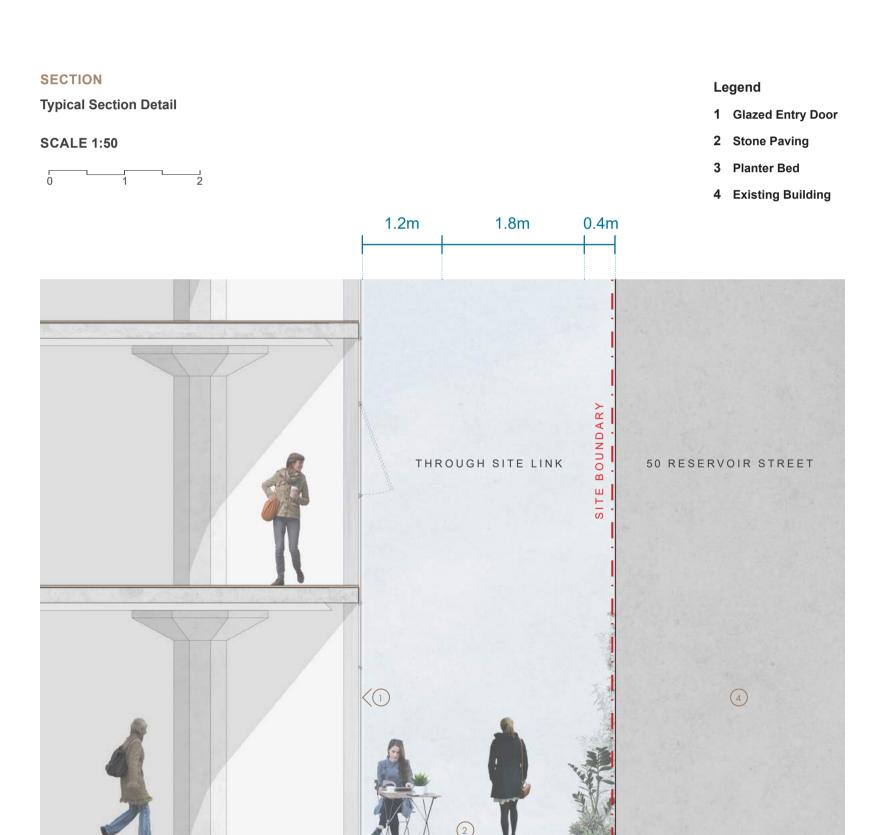
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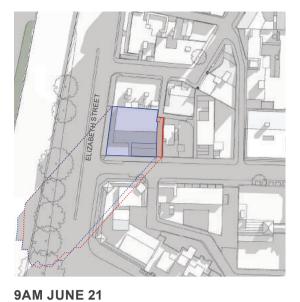
- 1 Clear glass
- 2 Operable Glass
- 3 Ribbed Glass
- 4 Steel frame
- 5 Double glazed unit

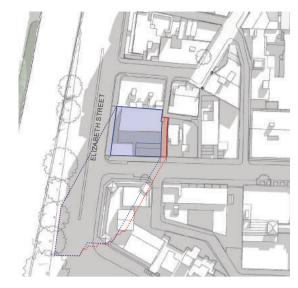


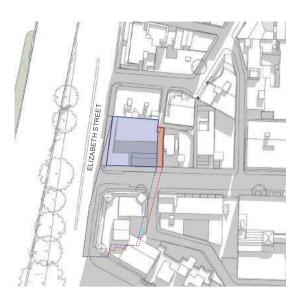
ELEVATION

Through Site Link Detail NTS

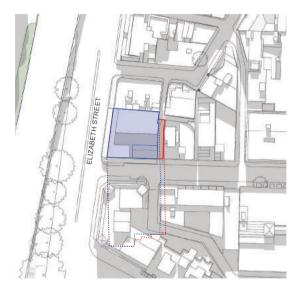




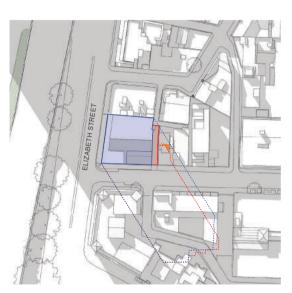




10AM JUNE 21 11AM JUNE 21







12PM JUNE 21 1PM JUNE 21 2PM JUNE 21



3PM JUNE 21

LEGEND

EXISTING SHADOW

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

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

PROPOSED ENVELOPE

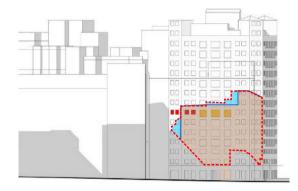
PROPOSED SHADOW ON GROUND

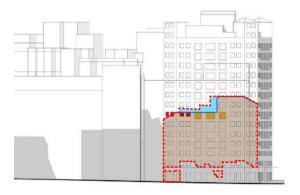
PROPOSED SHADOW INCREASE

PROPOSED SHADOW REDUCTION

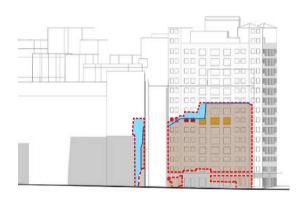
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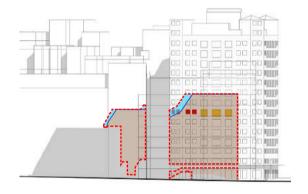


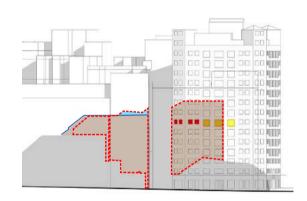




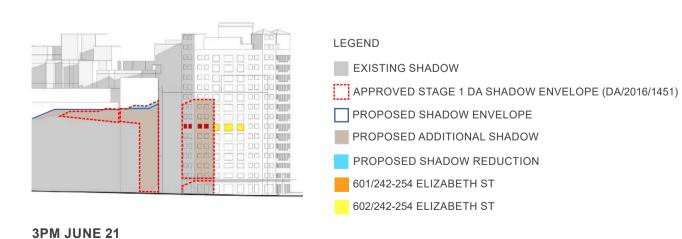
9AM JUNE 21 10AM JUNE 21 11AM JUNE 21





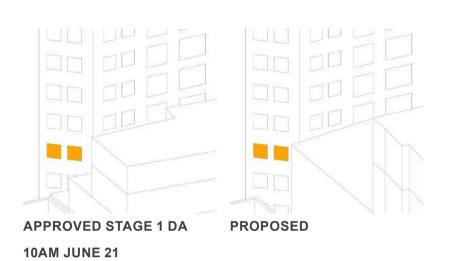


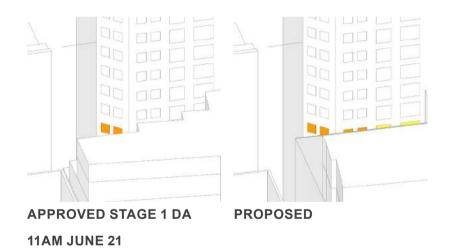
12PM JUNE 21 1PM JUNE 21 2PM JUNE 21



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

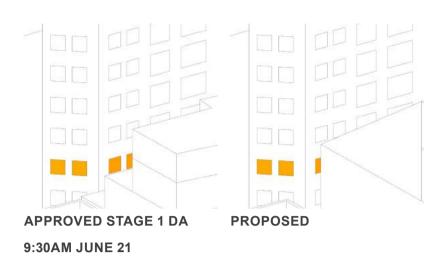






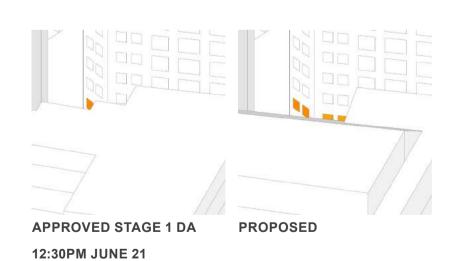


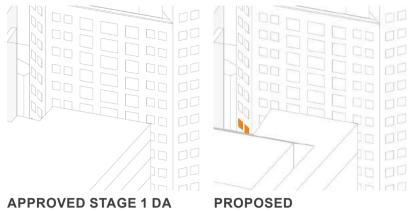




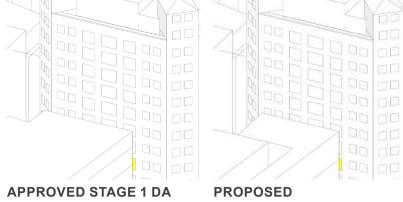




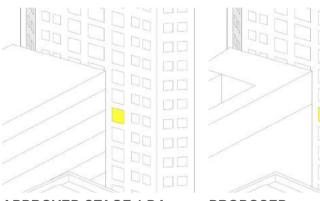




1PM JUNE 21



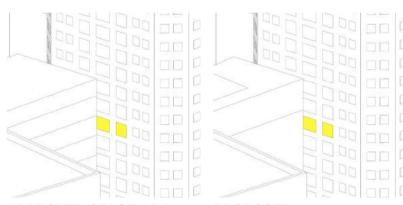
1:30PM JUNE 21



APPROVED STAGE 1 DA

PROPOSED

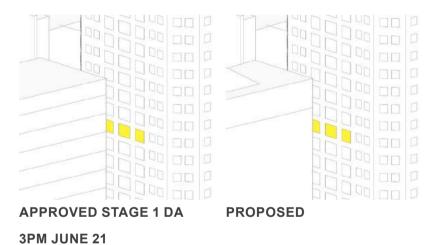
2PM JUNE 21



APPROVED STAGE 1 DA

PROPOSED

2:30PM JUNE 21



LEGEND

601/242-254 ELIZABETH ST

602/242-254 ELIZABETH ST

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.

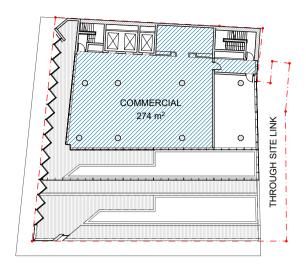
43

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

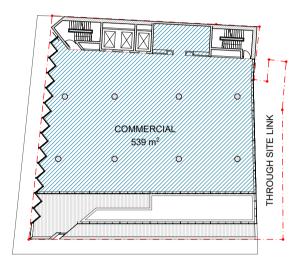
PROPOSED																
UNIT NO.	9.00 AM	9.30 AM	10.00 AM	10.30 AM	11.00 AM	11.30 AM	12.00 PM	12.30 PM	1.00 PM	1.30 PM	2.00 PM	2.30 PM	3.00 PM	TOTAL HOURS	2 + HOURS	CHANGE
601														4HR 15M I N	COMPLIES	+13%
602														2HR 15M I N	COMPLIES	+28%

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

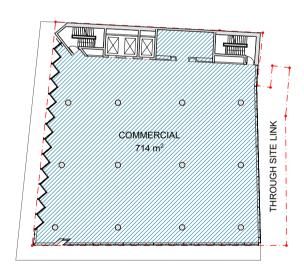
INDICATIVE PROPOSAL - PLANS



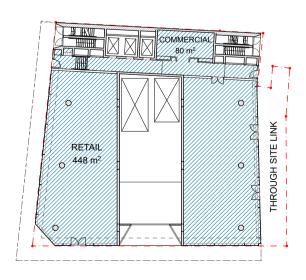
LEVEL 9 PLAN



LEVEL 8 PLAN



TYPICAL PLAN - L1- L7



GROUND FLOOR PLAN

EXISTING CONTROLS - SYDNEY LEP 2012

 SITE AREA:
 905.6 SQM

 ZONE:
 B4 - MIXED USE

 HEIGHT:
 35M

 HEIGHT:
 35M

 STOREYS:
 10

 FSR:
 5:1

 GFA:
 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: 905.6 SQM ZONE: 94 - MIXED USE

HEIGHT: 35M STOREYS: 9 FSR: 7:1 GFA: 6,339 SQM

MAX. PARKING: 16 CAR PARKING SPACES

+2 ACCESSIBLE PARKING SPACES

+1 SERVICE SPACE

+2 MOTORCYCLE PARKING SPACES

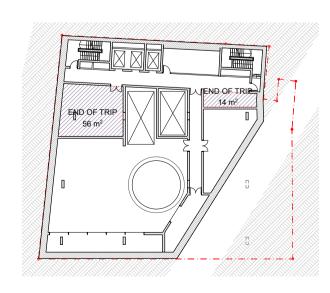
GREENING & TERRACE: 143 SQM (15% SITE AREA)

END OF TRIP: 270 SQM (FSR 0.3:1) +42 STAFF BICYCLE PARK

270 SQM (FSR 0.3:1) +42 STAFF BICYCLE PARKS +42 STAFF LOCKERS +7 SHOWER & CHANGE CUBICLES +21 VISITOR BICYCLE PARKS

APPROX.448 SQM GROUND LEVEL 1 APPROX.714 SQM LEVEL 2 APPROX.714 SQM APPROX.714 SQM APPROX.714 SQM LEVEL 3 LEVEL 4 LEVEL 5 APPROX.714 SQM LEVEL 6 APPROX.714 SQM APPROX.714 SQM LEVEL 7 APPROX.539 SQM LEVEL 8 APPROX.274 SQM LEVEL 9

PROPOSED TOTAL GFA 6,259 SQM PROPOSED FSR 7:1



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

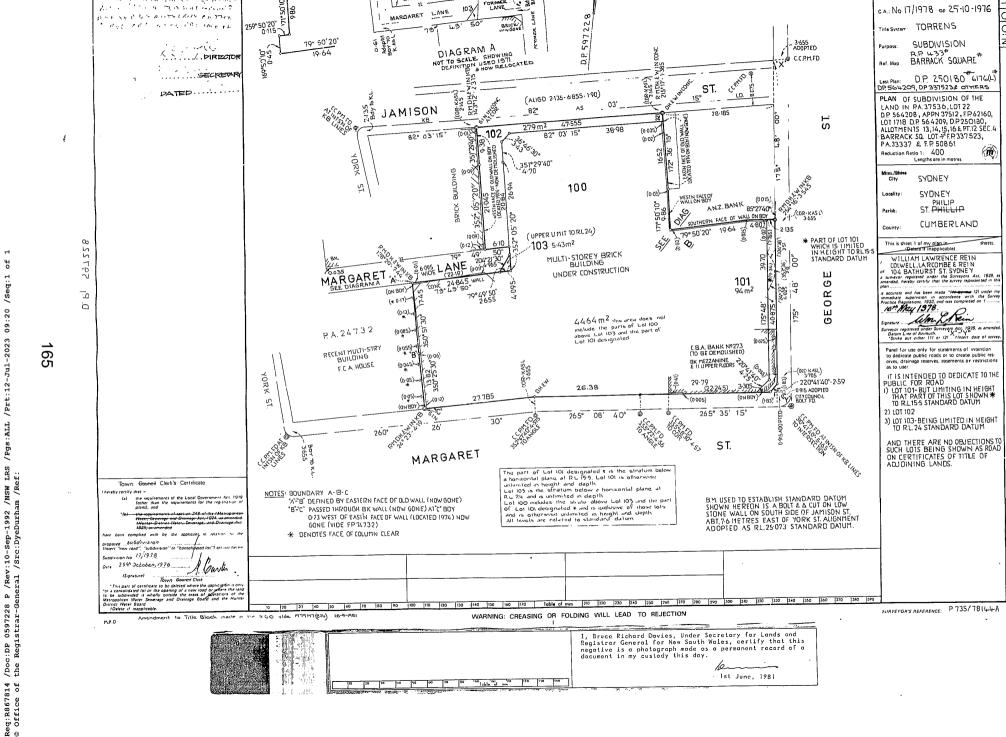
Certificate Ordered: NSW LRS - Copy of Plan - Deposited Plan 597228

Available: Y Size (KB): 120 Number of Pages: 1

Scan Date and Time: 10/09/1992 09:57

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Plan Drawing only to appear in this space

(ろ) OFFICE USE ONLY

B 17-8-1978

D.P. 597228

PLAN FORM 2

Signatures and seals only.

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DIAGRAM B

NOT TO SCALE

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