## **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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All drawings to scale at A3

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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.

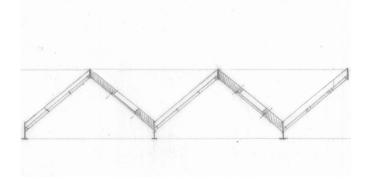
The Property is known as 232-240 Elizabeth, and is formally identified as 232-236A Elizabeth Street (SP71301), 238-240 Elizabeth Street (Lots 1&2, DP779385; Lot 1, DP664653). The combined site area is 905.6 square metres and is located within the Eastern Creative and Camperdown-Ultimo Health and Education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

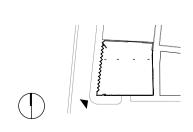


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#### **PERSPECTIVE VIEW - ELIZABETH STREET**

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<br>02<br>03<br>04<br>05 | N/A (Railway Bridge)<br>228 Elizabeth St<br>230 Elizabeth St<br>50 Reservoir St<br>52-58 Reservoir St | Infrastructure<br>Residential<br>Mixed Use<br>Commercial<br>Commercial | 1 Storey<br>9 Storey<br>9 Storey<br>7 Storey<br>9 Storey<br>7 Storey |
| 06<br>07                   | 45 Reservoir St<br>33-37 Reservoir St   | Commercial<br>Residential  | 7 Storey<br>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



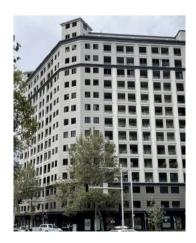
04. 50 Reservoir Street



05. 52-58 Reservoir Street photo by Brett Boardman







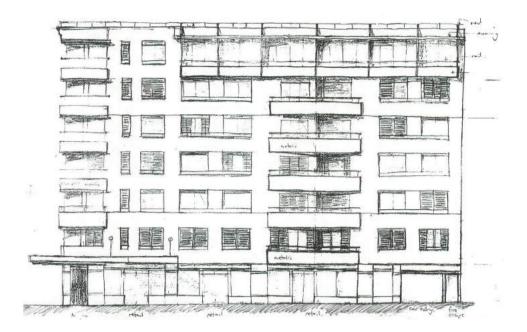


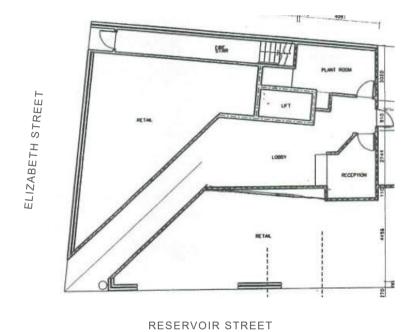
06. 45 Reservoir Street

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

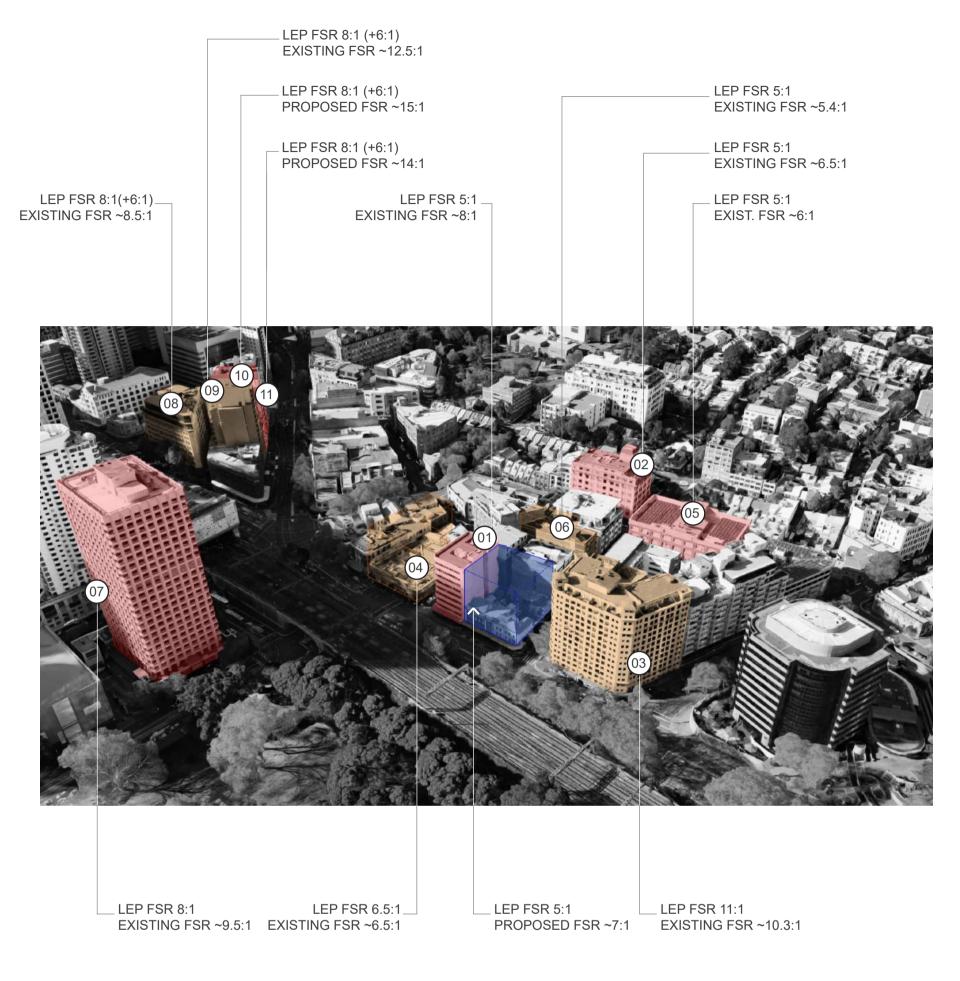
2016 DA/2016/1451 (MHN Design Union)

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## URBAN STUDY + CONSIDERATIONS

Candalepas Associates

## **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

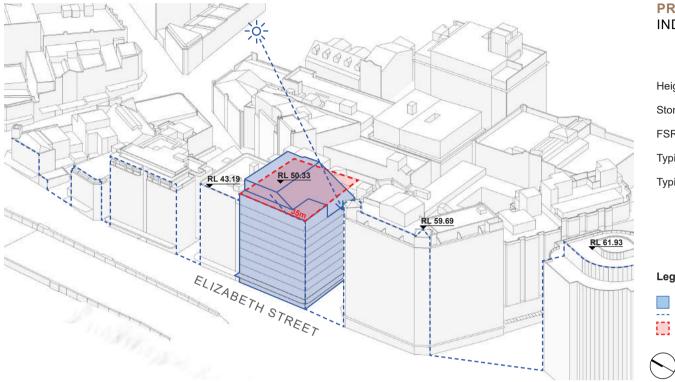
Site

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.

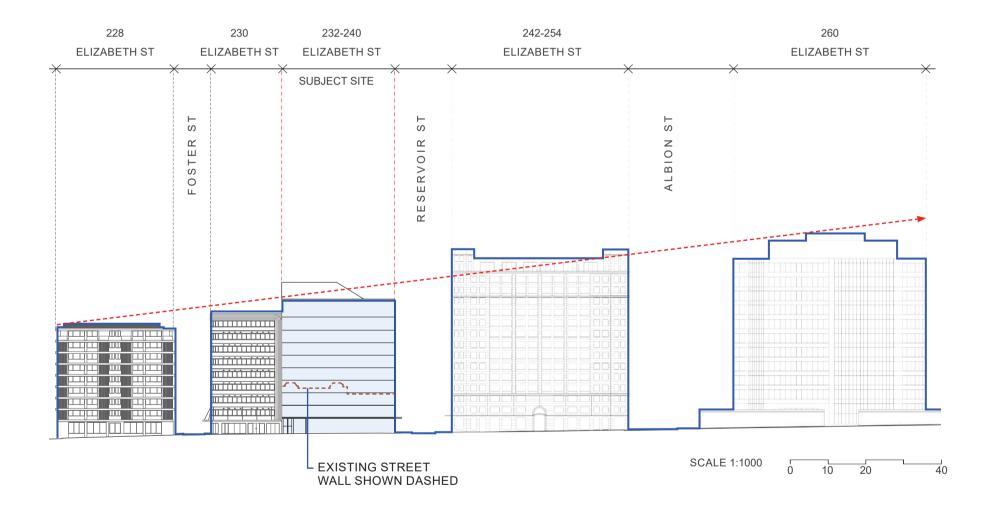
Negotiating the change in scale along Reservoir Street, the proposed envelope steps down at the street edge. This transition assists in maintaining solar access to 242-254 Elizabeth St & 33-37 Reservoir St, providing an overall increase in solar amenity to these dwellings compared to the approved concept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

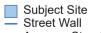
Candalepas Associates

### **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

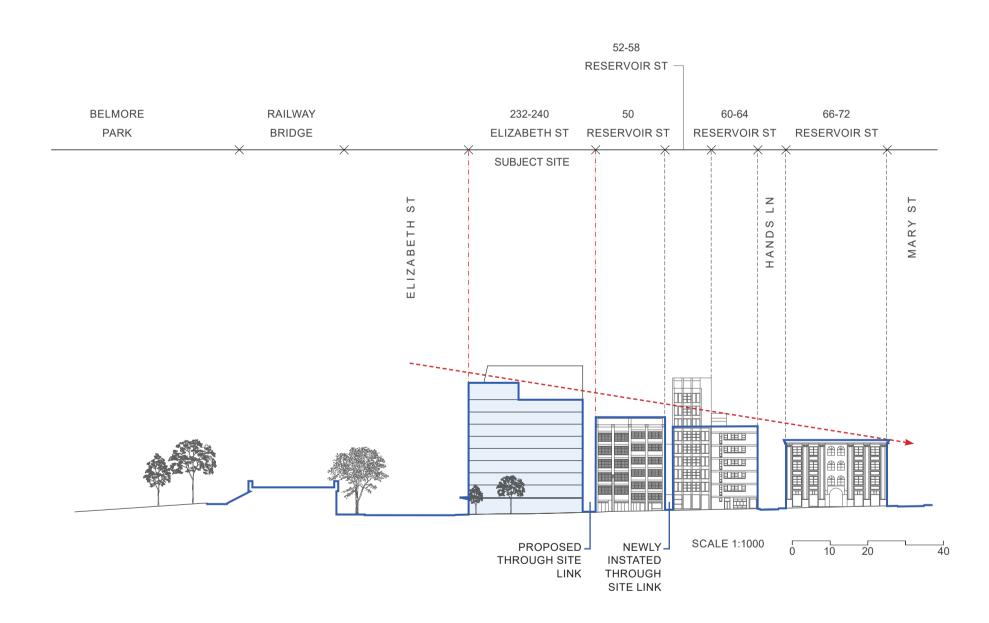


- -> Average Street Wall Projection

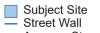
Candalepas Associates

### **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.



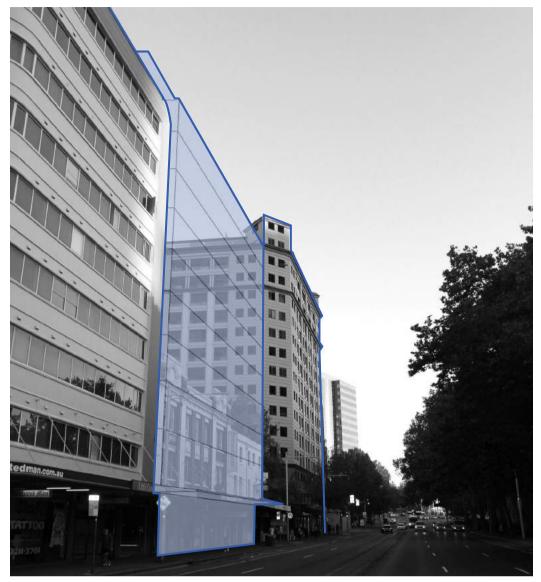
#### Legend



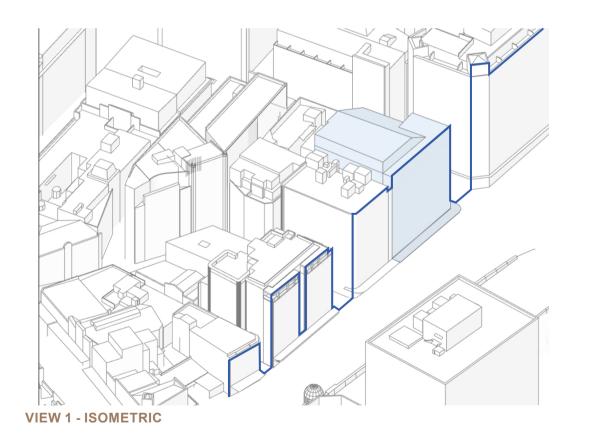
- -> Average Street Wall Projection

Candalepas Associates

### BUILDING ENVELOPE + STREET WALL ANALYSIS STREETSCAPE VIEWS - ELIZABETH STREET



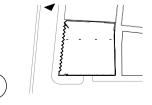
**VIEW 1 - PERSPECTIVE** 



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.

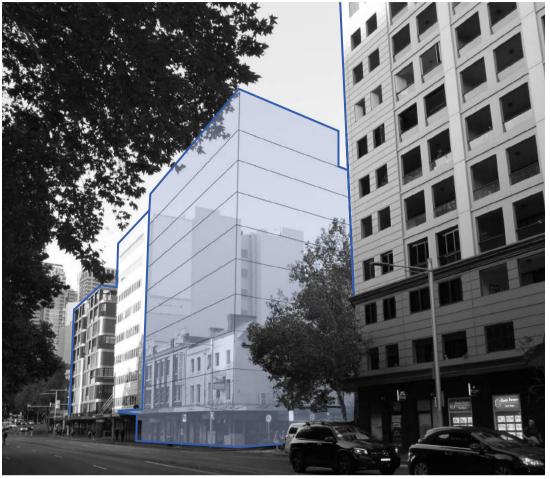


Subject Site Street Wall



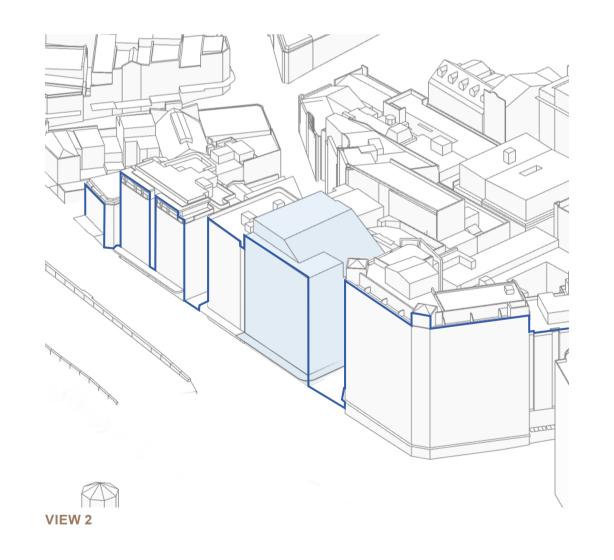
Candalepas Associates

### BUILDING ENVELOPE + STREET WALL ANALYSIS STREETSCAPE VIEWS - ELIZABETH STREET

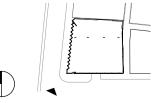


Approaching the site along Elizabeth Street from the south, the inconsistency noted earlier is even more pronounced. In particular, the large blank wall presented by 230 Elizabeth Street along the site boundary represents a bad urban outcome. The proposed volume, on the other hand, resolves this issue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

VIEW 2





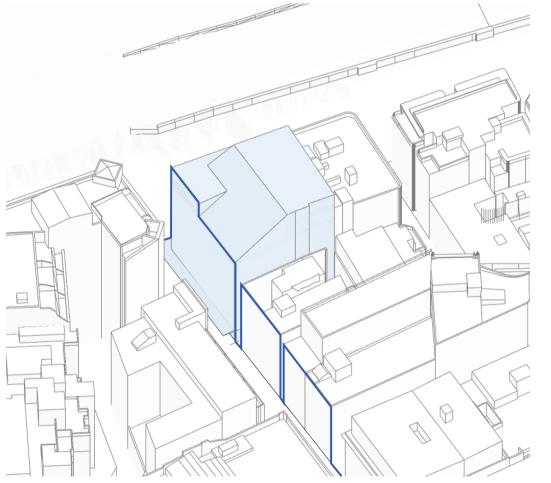


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### BUILDING ENVELOPE + STREET WALL ANALYSIS STREETSCAPE VIEWS - RESERVOIR STREET



VIEW 3

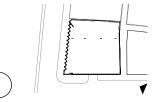


Approaching the site along Reservoir Street from the east, the height inconsistency of the street wall is less pronounced than along Elizabeth Street due to the more constricted views permitted. However, the proposed volume would bring the site more broadly into line with the heights of the buildings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

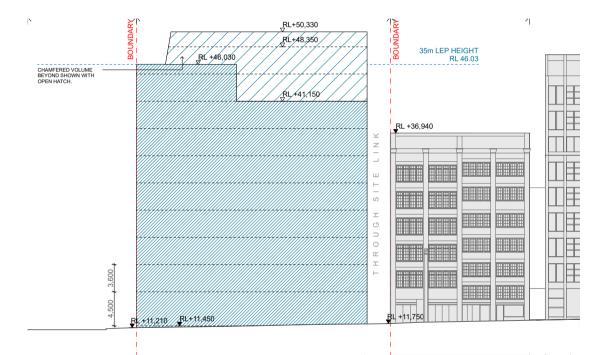
19

## PROPOSED DCP CONTROLS

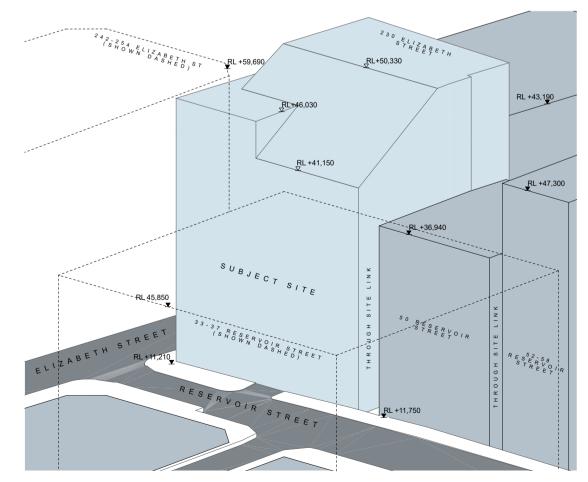
Candalepas Associates







**SOUTH ELEVATION - PROPOSED ENVELOPE** 



**ISOMETRIC - PROPOSED ENVELOPE** 



Candalepas Associates

**INDICATIVE PROPOSAL** 

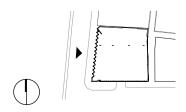
Candalepas Associates

PERSPECTIVE ELIZABETH STREET



#### **PERSPECTIVE VIEW - ELIZABETH STREET**

Prepared by Darc Studio.

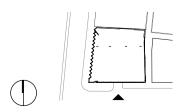


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#### **PERSPECTIVE VIEW - RESERVOIR STREET**

Prepared by Darc Studio.

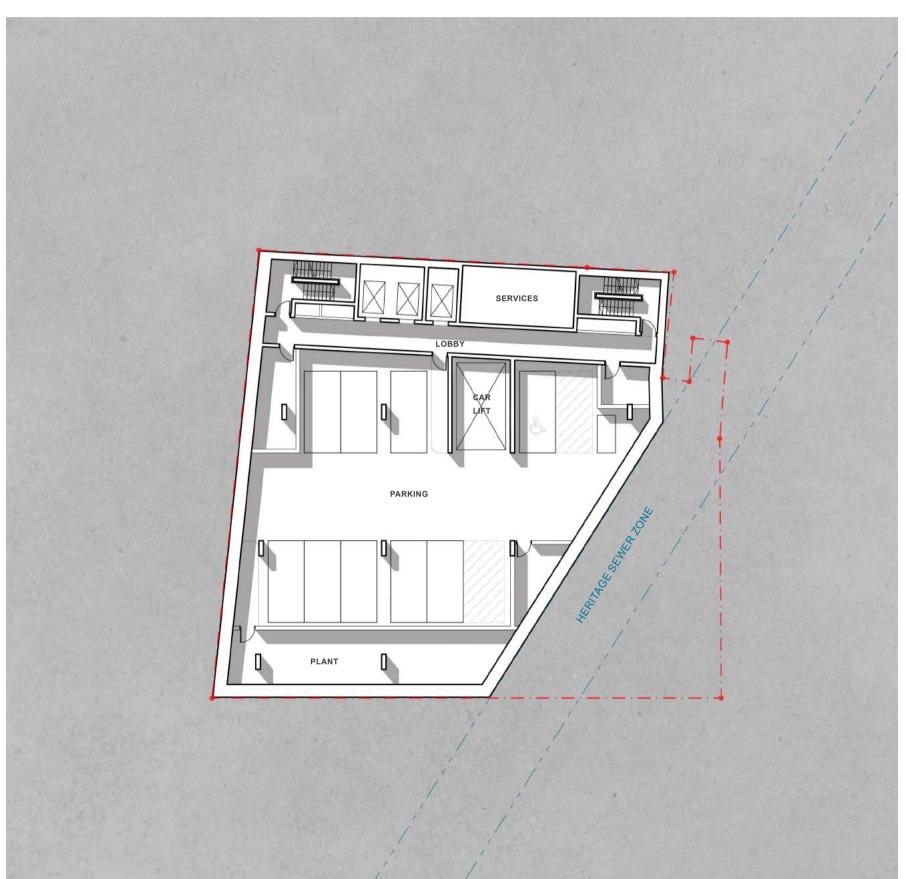


232- 240 Elizabeth St, Surry Hills

24

Candalepas Associates

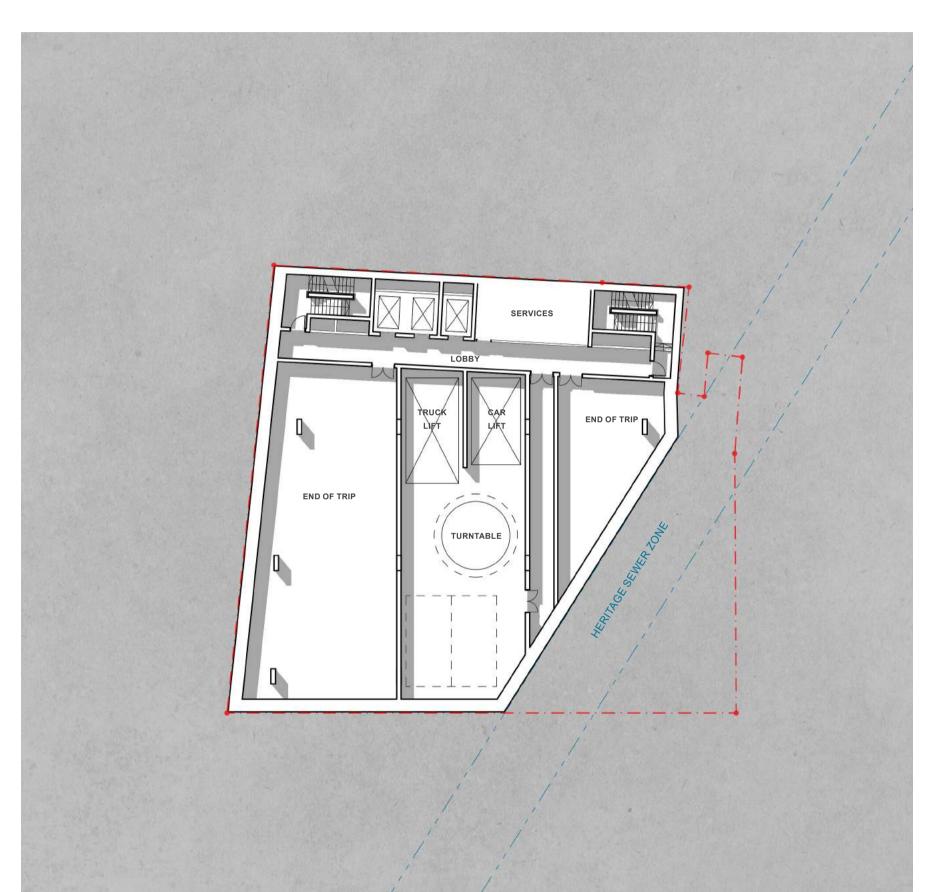
LAYOUT TYPICAL PLANS







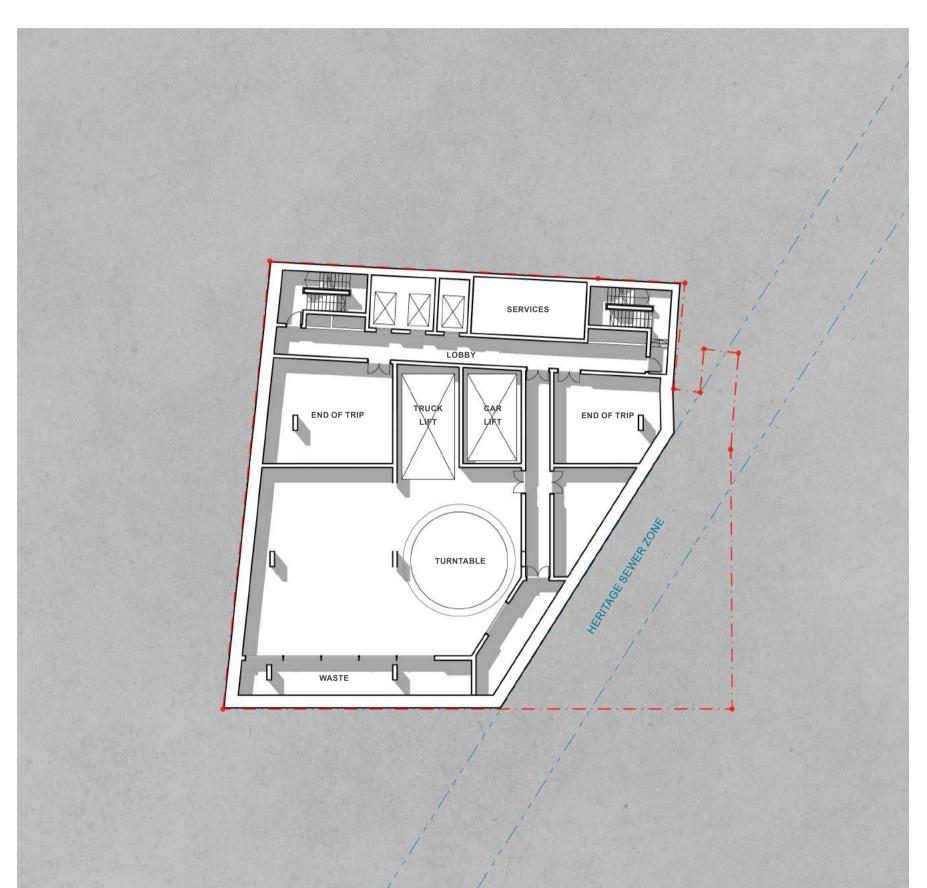
LAYOUT **TYPICAL PLANS** 





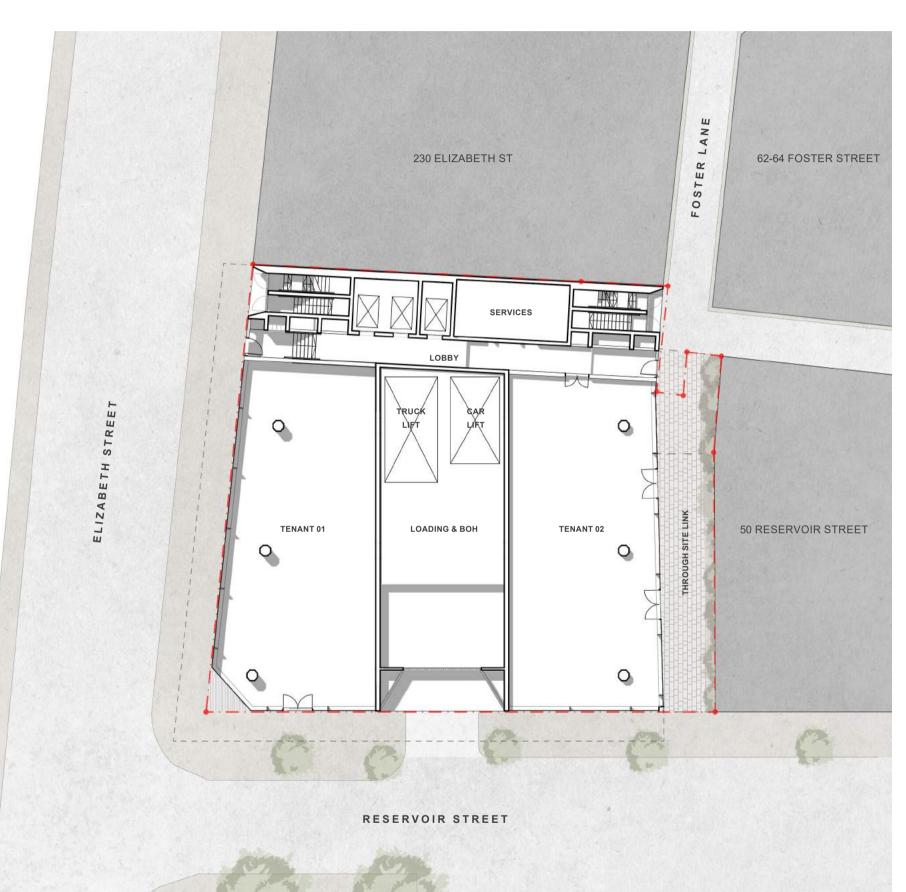
END OF TRIP GFA 270 m<sup>2</sup>

LAYOUT TYPICAL PLANS





END OF TRIP GFA 270 m<sup>2</sup>

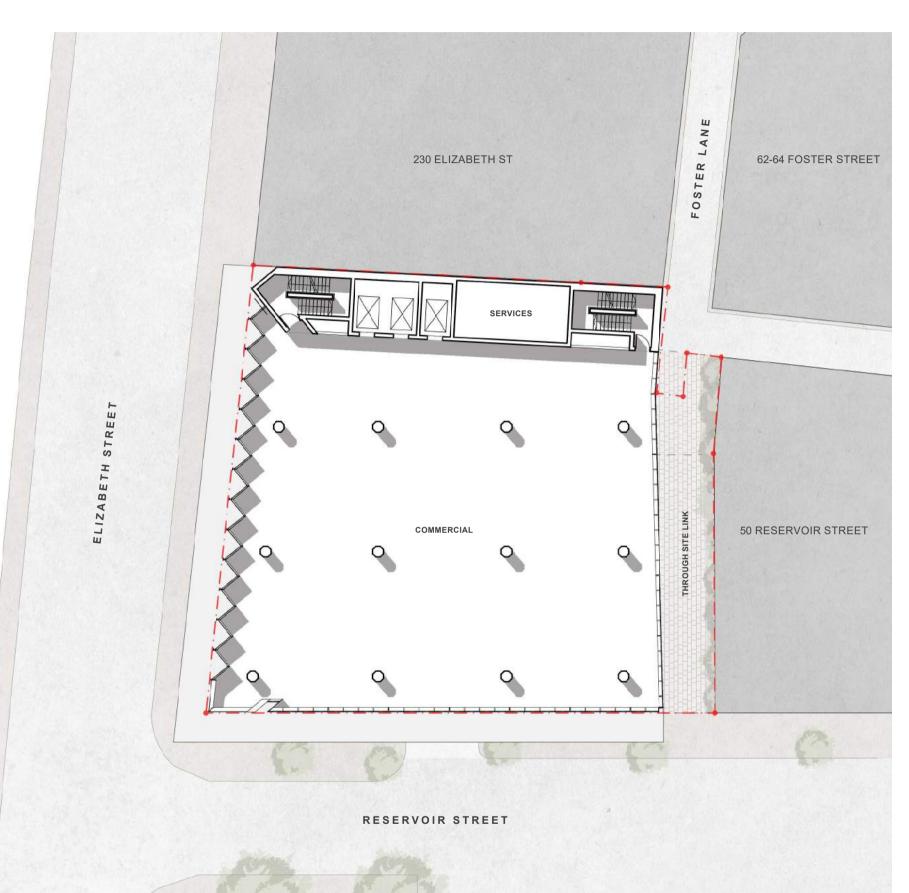






COMMERCIAL GFA80 m²RETAIL GFA452 m²



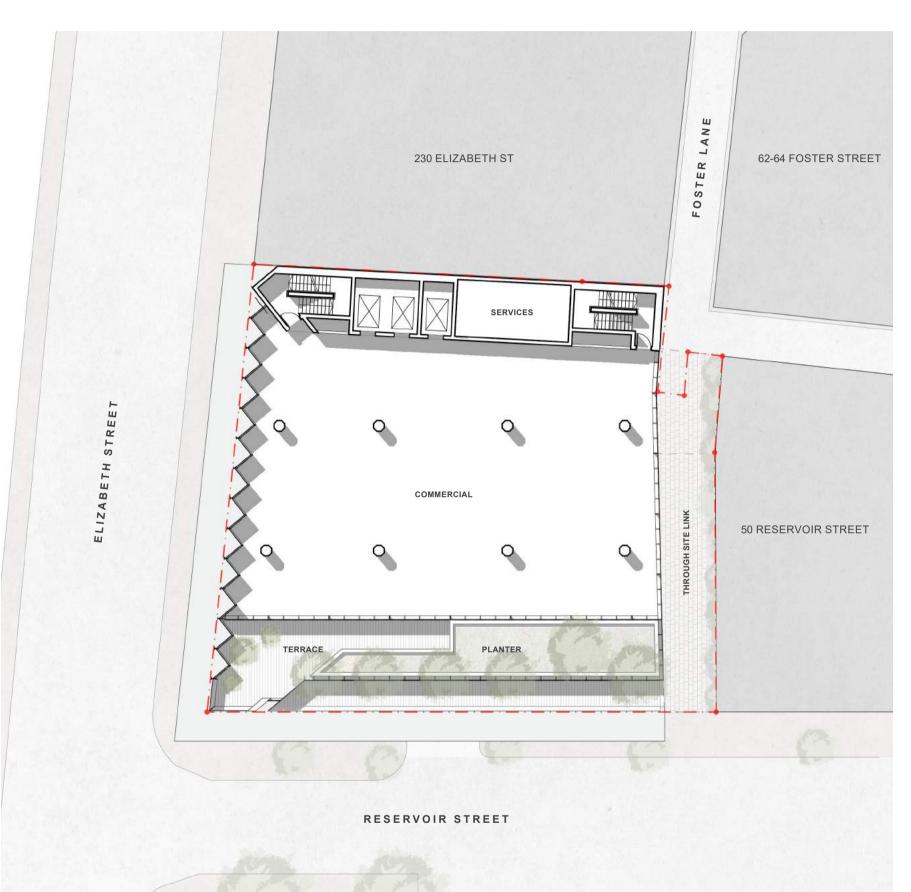




### TYPICAL FLOOR PLAN - L1 TO L7

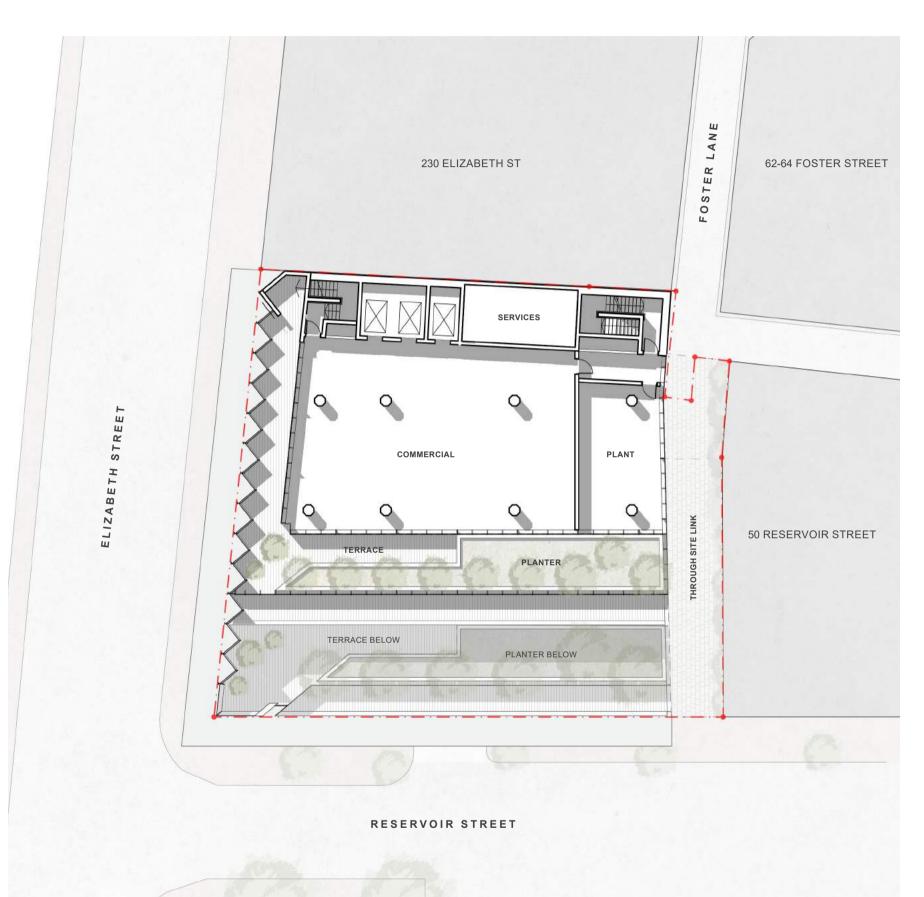
COMMERCIAL GFA 714 m<sup>2</sup>



















**ROOF PLAN** 





**Reeded Glass** 

**WEST ELEVATION - ELIZABETH STREET** 



Off-form Concrete

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

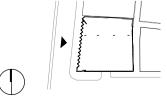
**Stainless Steel** 

Virchow 6, Álvaro Siza Vieira

#### **Dark Painted Steel**

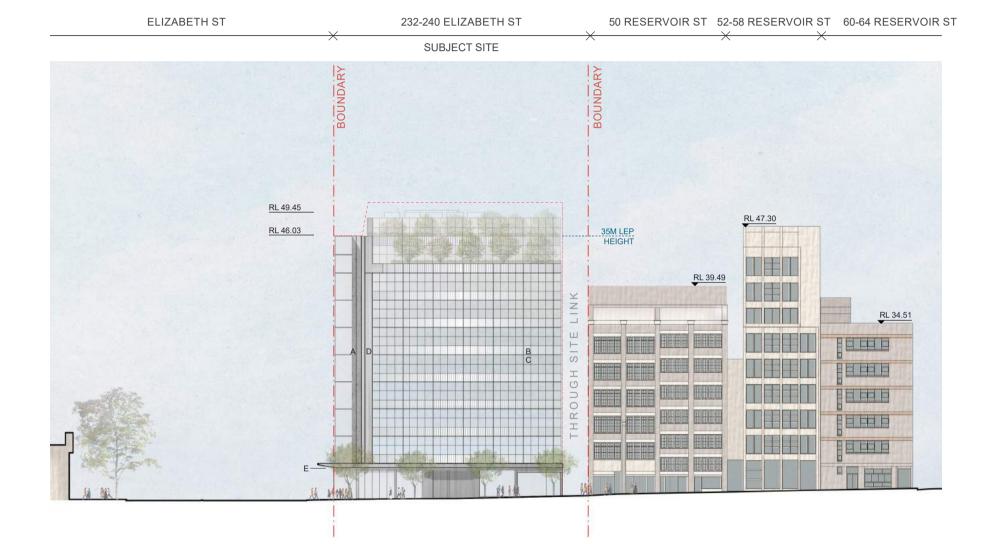
QT Hotel, Melbourne, Candalepas Associates

#### MATERIALS



Candalepas Associates

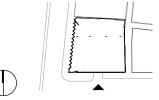




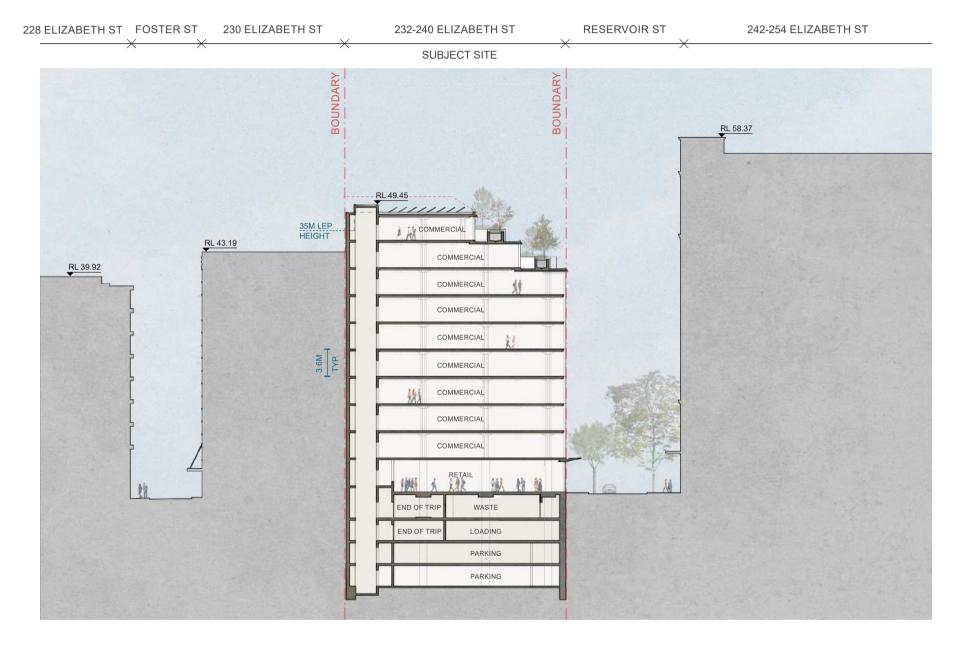




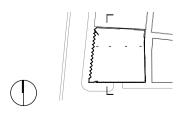
MATERIALS



Candalepas Associates

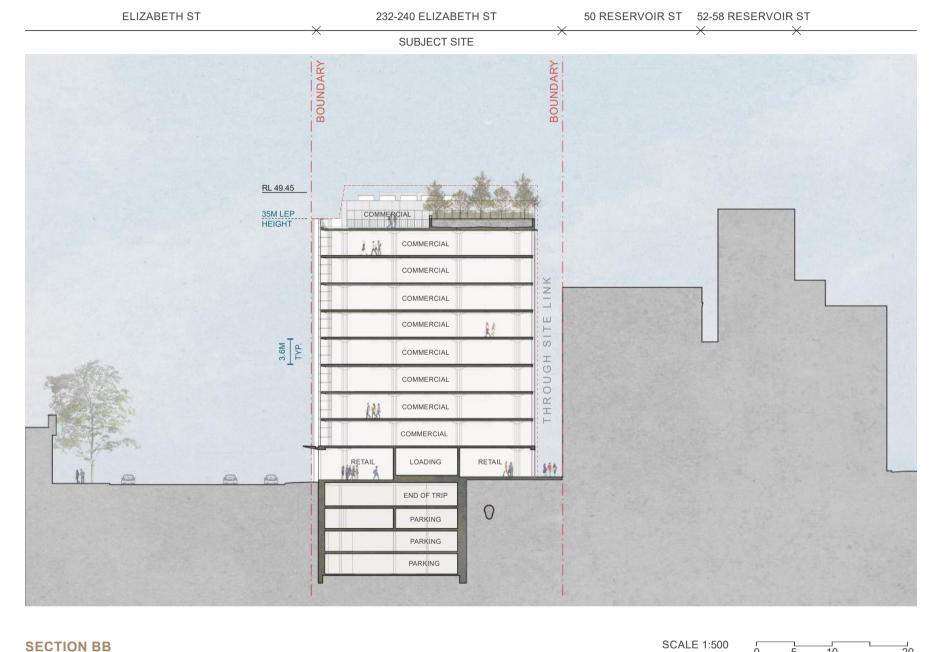


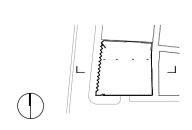
**SECTION AA** 



35

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0

5

10

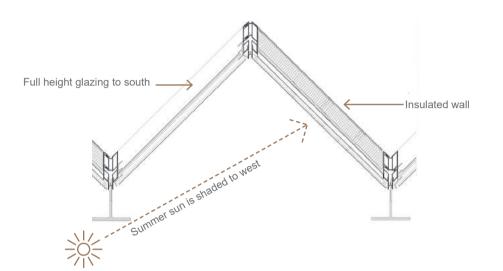
Candalepas Associates



## ELEVATION

Elizabeth St Elevation Detail

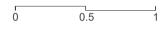
NTS



# 

# PLAN

# Typical Plan Detail



## SECTION

## **Typical Section Detail**

## **SCALE 1:50**





## Legend

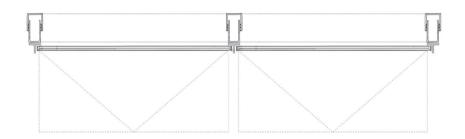
1 Clear glass

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

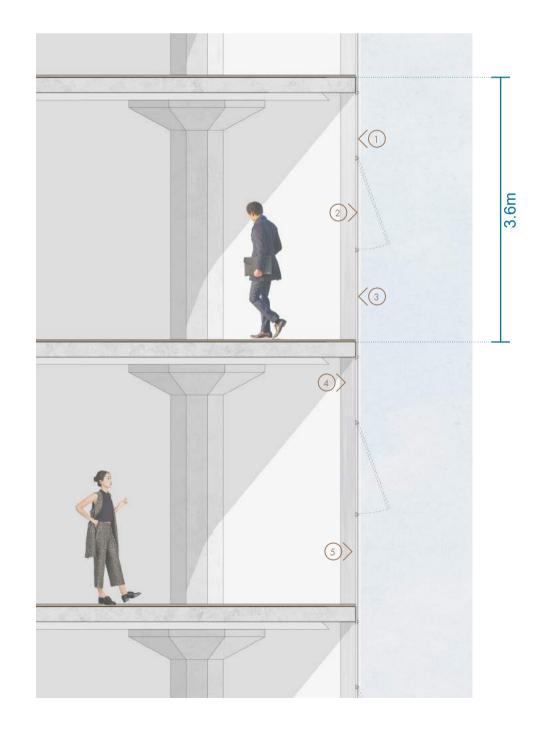


## ELEVATION

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** 



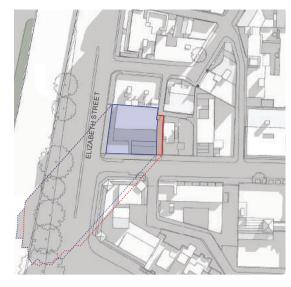
## Legend

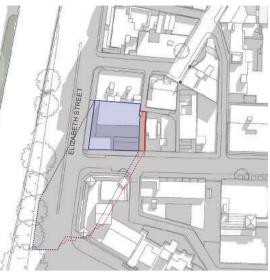
1 Glazed Entry Door

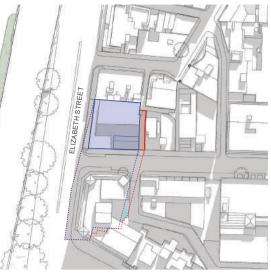
2 Stone Paving



# SOLAR ANALYSIS SHADOW DIAGRAMS



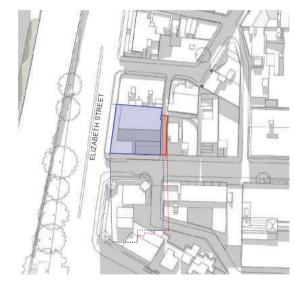




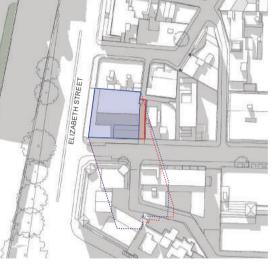
**11AM JUNE 21** 



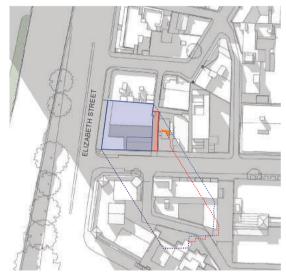
**10AM JUNE 21** 



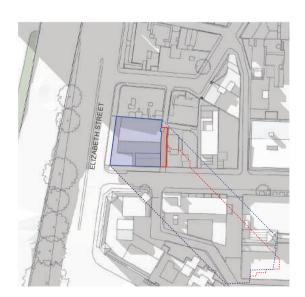
**12PM JUNE 21** 



**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**



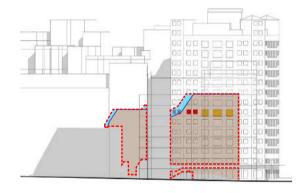
**11AM JUNE 21** 



**9AM JUNE 21** 

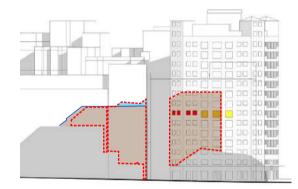


**12PM JUNE 21** 



**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

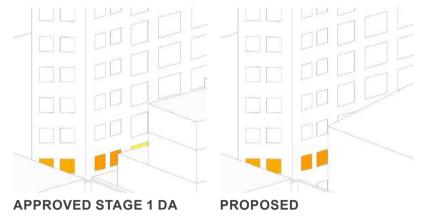
As illustrated in the adjacent diagrams, the proposed envelope provides an overall

#### 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



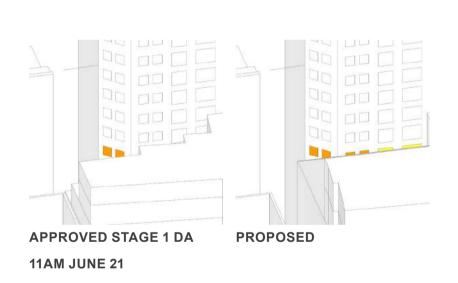


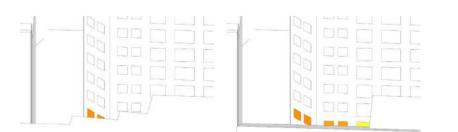


**APPROVED STAGE 1 DA** 10:30AM JUNE 21



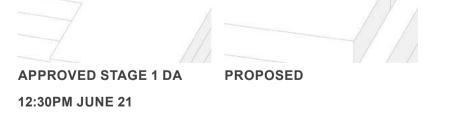
PROPOSED











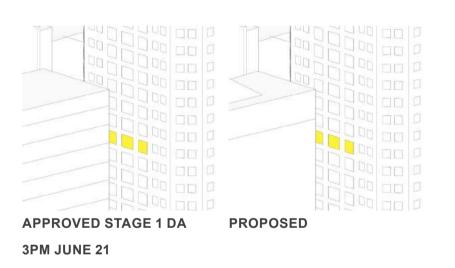
LEGEND

601/242-254 ELIZABETH ST

602/242-254 ELIZABETH ST

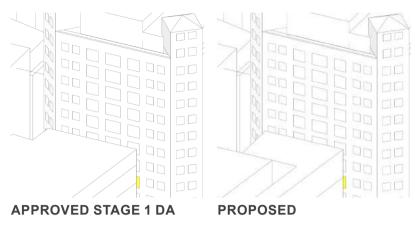




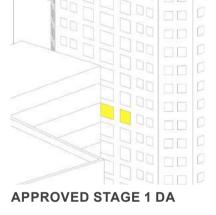


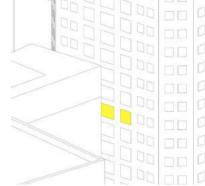
LEGEND

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

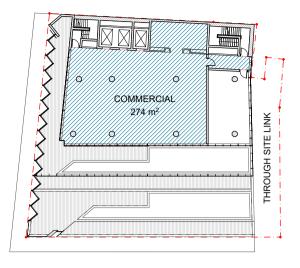
| UNIT NO. | 9.00 AM | 9.30 AM | 10.00 AM | 10.30 AM | 11.00 AM | 11.30 AM | 12.00 PM | 12.30 PM | 1.00 PM | 1.30 PM | 2.00 PM | 2.30 PM | 3.00 PM | TOTAL HOURS        | 2 + HOURS      | CHANGE |
|----------|---------|---------|----------|----------|----------|----------|----------|----------|---------|---------|---------|---------|---------|--------------------|----------------|--------|
| 601      |         |         |          |          |          |          |          |          |         |         |         |         |         | 3HR 45M <b>I</b> 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%   |

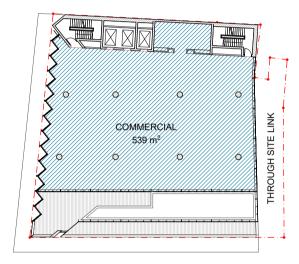
INDICATES DIRECT SUN ACCESS TO GLAZING TO LIVING SPACE – OVER 1 SQM

Candalepas Associates

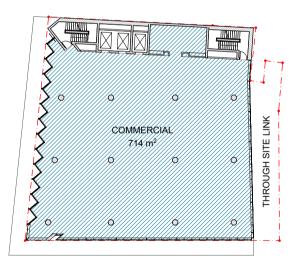
## **INDICATIVE PROPOSAL - PLANS**



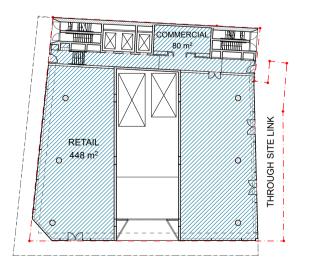
LEVEL 9 PLAN



LEVEL 8 PLAN



TYPICAL PLAN - L1- L7



## **EXISTING CONTROLS - SYDNEY LEP 2012**

| SITE AREA:<br>ZONE:<br>HEIGHT:<br>STOREYS:<br>FSR:<br>GFA: | 905.6 SQM<br>B4 - MIXED USE<br>35M<br>10<br>5:1<br>4,528 SQM           |
|--|--|
| MAX. PARKING:  | 1 SPACE/200 SQM<br>+1 ACCESSIBLE VISITOR/20 SPACES<br>+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**

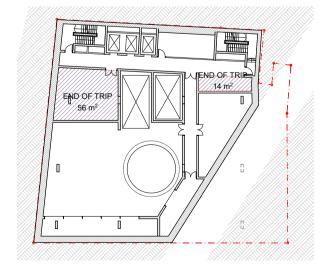
| SITE AREA:<br>ZONE:<br>HEIGHT:<br>STOREYS:<br>FSR:<br>GFA: | 905.6 SQM<br>B4 - MIXED USE<br>35M<br>9<br>7:1<br>6,339 SQM   |
|--|---|
| MAX. PARKING:  | 16 CAR PARKING SPACES<br>+2 ACCESSIBLE PARKING SPACES<br>+1 SERVICE SPACE<br>+2 MOTORCYCLE PARKING SPACES                       |
| GREENING & TERRACE: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



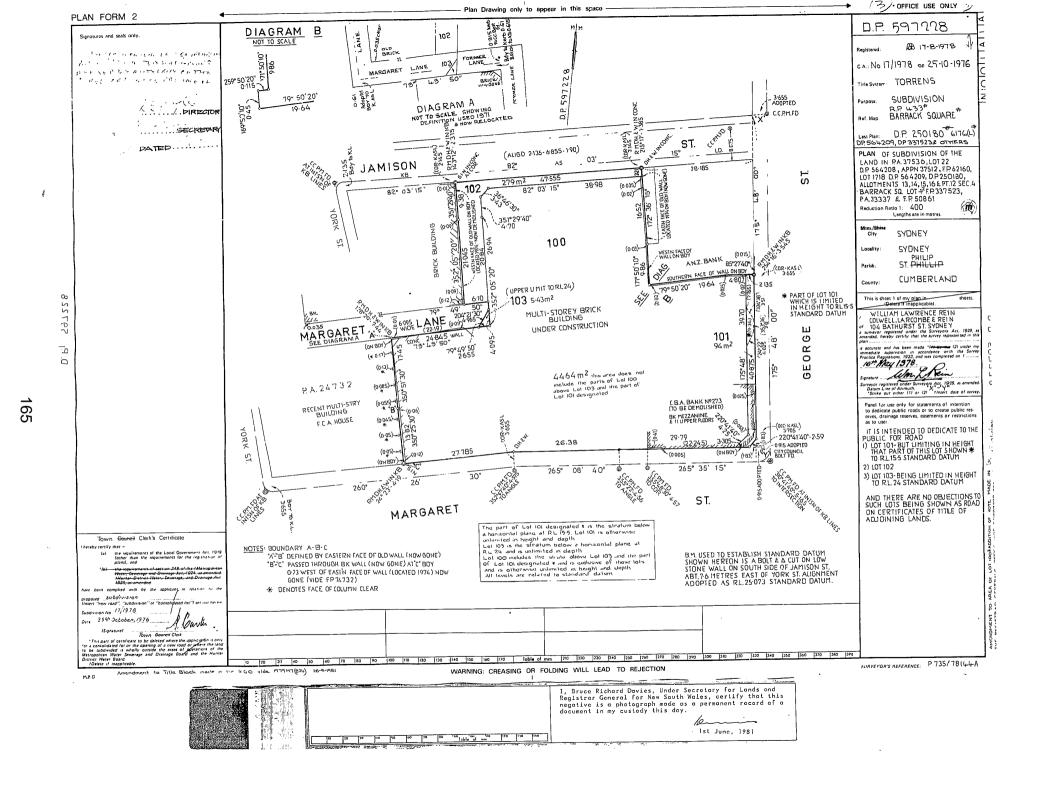


#### **CERTIFICATE ORDER SUMMARY**

#### **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:

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