# 21082

27\_09\_2023

#### **60M HIGH TOWER**

**YIELD & UNIT MIX** 

|                     | eight               |                   | CENC                   |     |      | CENC                  |           |           |           |     |             |                  |                    |              |                    |                |     |                  |      |             |      |       |
|---------------------|---------------------|-------------------|------------------------|-----|------|-----------------------|-----------|-----------|-----------|-----|-------------|------------------|--------------------|--------------|--------------------|----------------|-----|------------------|------|-------------|------|-------|
|                     | BEA H               | BEA               |                        |     | BEA  | H                     |           | CA        | RPARK SPA | CES |             |                  |                    |              |                    |                |     |                  |      |             |      |       |
| LEVEL               | Non Resi            | GFA Service       | es G                   | GFA | Resi | GF                    | FA        | No. Apt R | ESI TS    | SA  | _           |                  |                    |              |                    |                |     |                  | 1BED | 2BED        | 3BED | 3BED+ |
|                     |                     |                   |                        |     |      |                       |           |           |           |     |             |                  |                    |              |                    |                |     |                  |      |             |      |       |
|                     |                     |                   |                        |     |      |                       |           |           |           |     |             |                  |                    |              |                    | Approx. Height | 60  | m                |      |             |      |       |
| Roof                | 2.8                 |                   |                        |     |      |                       |           |           |           |     |             | Plant Room       | Lift Overun + Mech | h            |                    |                |     |                  |      |             |      |       |
| 16                  | 3.6                 |                   |                        |     | 1138 | 72% <b>20</b>         | <b>08</b> |           |           |     |             |                  | Comm. Facilities   | Roof Terrace |                    |                |     |                  |      |             |      |       |
| 15                  | 3.6                 |                   |                        |     | 1138 | 62% <b>70</b>         | 05        | 6         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 4           | 0    | 2     |
| 14                  | 3.2                 |                   |                        |     | 1138 | 62% <b>70</b>         | 05        | 6         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 4           | 0    | 2     |
| 13                  | 3.2                 |                   |                        |     | 1138 | <b>63</b> % <b>71</b> | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | 0     |
| 12                  | 3.2                 |                   |                        |     | 1138 | 63% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | О     |
| 11                  | 3.2                 |                   |                        |     | 1138 | 63% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | О     |
| 10                  | 3.2                 |                   |                        |     | 1138 | 63% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | О     |
| 9                   | 3.2                 |                   |                        |     | 1138 | 63% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | 0     |
| 8                   | 3.2                 |                   |                        |     | 1138 | 63% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | 0     |
| 7                   | 3.2                 |                   |                        |     | 1138 | 63% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | 0     |
| 6                   | 3.2                 |                   |                        |     | 1138 | 63% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    | Height Limit   | 25m |                  | 0    | 5           | 2    | 0     |
| 5                   | 3.2                 |                   |                        |     | 1148 | 62% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | О     |
| 4                   | 3.2                 |                   |                        |     | 1148 | 62% <b>71</b>         | 12        | 7         |           |     |             |                  | Residential        |              |                    |                |     |                  | 0    | 5           | 2    | 0     |
| 3                   | 3.3                 |                   |                        |     | 1908 | 55% <b>1,0</b> !      | 50        | 12        |           |     |             |                  | Residential        |              |                    |                |     |                  | 6    | 5           | 1    | 0     |
| 2                   | 3.2                 |                   |                        |     | 1908 | 55% <b>1,0</b>        | 50        | 12        |           |     |             |                  | Residential        |              |                    |                |     |                  | 6    | 5           | 1    | Ο     |
| 1                   | 3.6                 |                   |                        |     | 2008 | 49% <b>98</b>         | 39        | 10        |           |     | Resi. Lobby |                  | Residenti          | al           |                    |                |     |                  | 7    | 3           | 0    | 0     |
| <b>Ground Level</b> | <b>4.7 2177</b> 72% | <b>1,500</b> 146. | <b>70</b> 90% <b>1</b> | 132 |      |                       |           |           |           |     |             | Salvos Facilitie | S                  | Loading Do   | ck + Carpark entry |                |     |                  |      |             | 22   | 4     |
| Basement 1          | 3.2                 |                   |                        |     |      |                       |           | 2         | 25 2      | 20  |             |                  | Carpark            |              |                    |                |     | APT NO. :        | 19   | 71          | 2    | 26    |
| Basement 2          | 3.2                 |                   |                        |     |      |                       |           | Ę         | 57        |     |             |                  | Carpark            |              |                    |                |     | APT PERCENTAGE : | 16%  | <b>61</b> % | 2:   | 2%    |
| Basement 3          | 3.2                 |                   |                        |     |      |                       |           | (         | 52        |     |             |                  | Carpark            |              |                    |                |     | IDEAL MIX :      | 15%  | 60%         | 2    | 25%   |

116 144 20

 SITE AREA:
 2,447 sqm

 Non Resi FSR:
 0.67 :1

 FSR:
 5.50 :1

#### **CARPARK CALCULATION**

SUB TOTALS:

TOTAL GFA:

#### **CAR-PARK SPACES REQUIRED FOR CURRENT MIX**

|     | Resid | ential CP S           | Spaces  | TSA CP Spaces                               |  |  |  |  |  |  |  |  |  |
|-----|-------|-----------------------|---|---|--|--|--|--|--|--|--|--|--|
|     | 1BED  | 2BED                  | 3BED  |   |  |  |  |  |  |  |  |  |  |
|     | 19    | 71                    | 26  |   |  |  |  |  |  |  |  |  |  |
|     | 1     | 1                     | 2   |   |  |  |  |  |  |  |  |  |  |
|     | 19    | 71                    | 52  |   |  |  |  |  |  |  |  |  |  |
|     |       | 142                   |   | 20  |  |  |  |  |  |  |  |  |  |
|     |       | 119                   |   |   |  |  |  |  |  |  |  |  |  |
| 0.2 |       | 23                    |   |   |  |  |  |  |  |  |  |  |  |
|     |       |                       |   |   |  |  |  |  |  |  |  |  |  |
|     | 0.2   | 1BED<br>19<br>1<br>19 | 1BED       2BED         19       71         1       1         19       71         142       119 | 19 71 26<br>1 1 2<br>19 71 52<br>142<br>119 |  |  |  |  |  |  |  |  |  |

2177

13,459

1,500

146.7

**132** 20,638 57% **11,827** 

#### CAPACITY OF CAR-PARK SPACES OF PROPOSED SCHEME

| LEVEL Resid | TSA CP Spaces |           |    |
|-------------|---------------|-----------|----|
|             | REGULAR       | ACCESIBLE |    |
| BASEMENT 1: | 25            | 0         | 20 |
| BASEMENT 2: | 45            | 12        |    |
| BASEMENT 3: | 50            | 12        |    |
|             | 120           | 24        |    |
| SUBTOTAL:   |               | 20        |    |
| TOTAL:      |               |           |    |

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| 01  | 03.08.23 | JL          | Issued For Information       |
| 02  | 08.08.23 | JL          | Issued For Information       |
| 03  | 05.09.23 | JL          | Issued For Information       |
| 04  | 07.09.23 | JL          | Issued For Information       |
| 05  | 11.09.23 | JL          | Issued For Information       |
| 06  | 26.10.23 | JL          | Issued For Planning Proposal |
|     |          |             |                              |

| Project Title                    |          |
|----------------------------------|----------|
| Kiora Road, Miranda              |          |
| 23 Kiora Road Miranda NSW 2228 A | ustralia |
| Drawing Title                    |          |
| GENERAL                          |          |
| Yield Schedule                   |          |

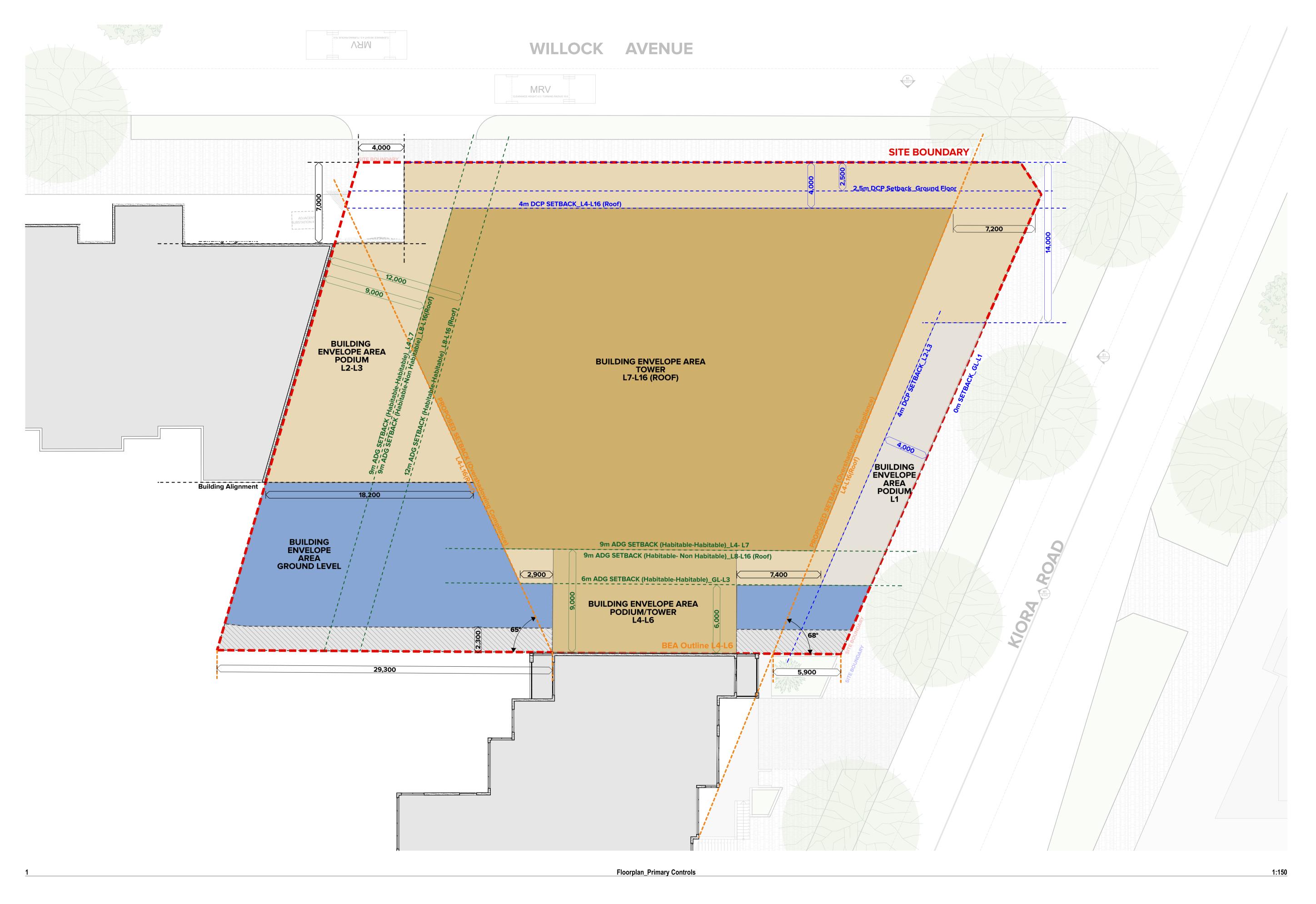
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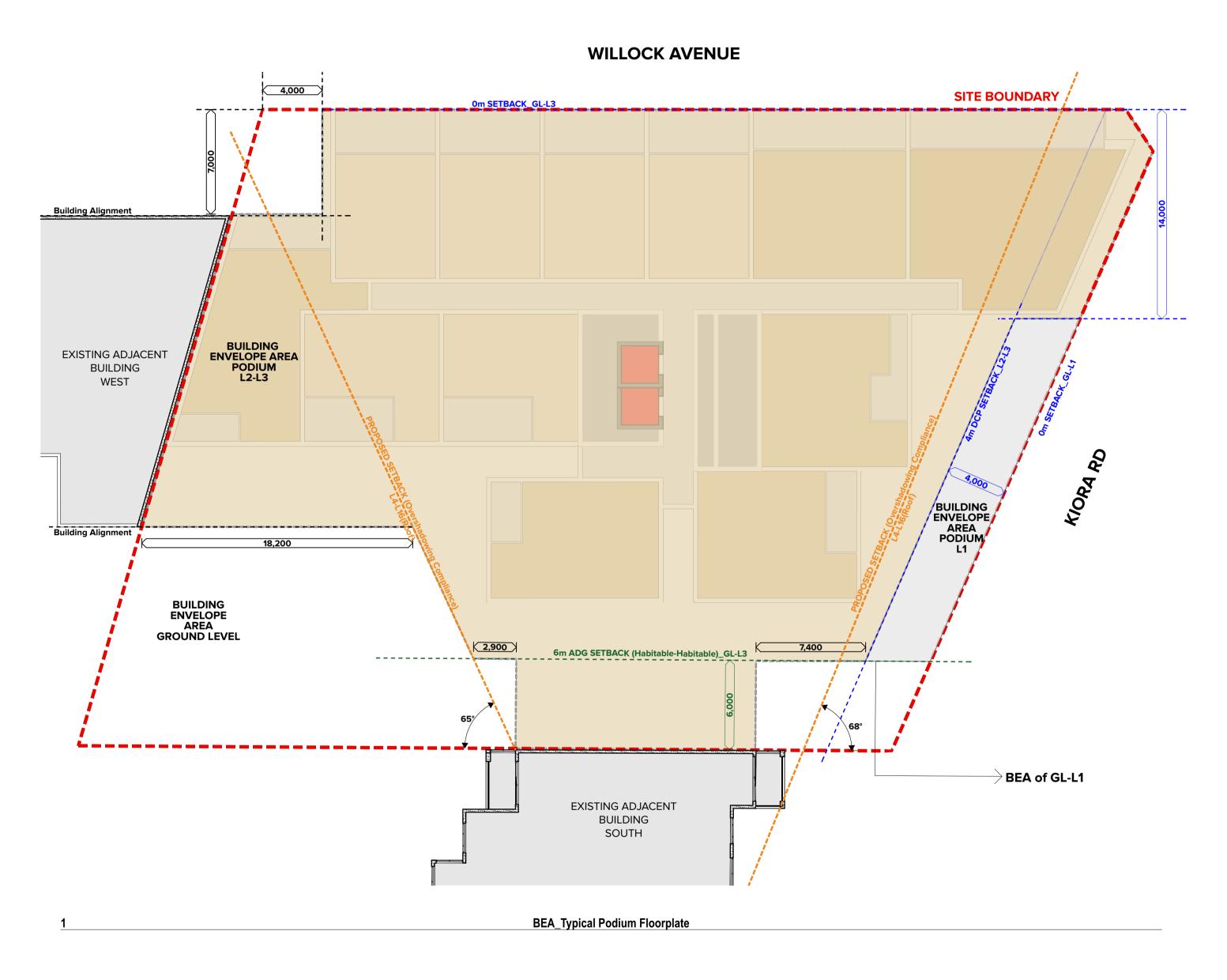
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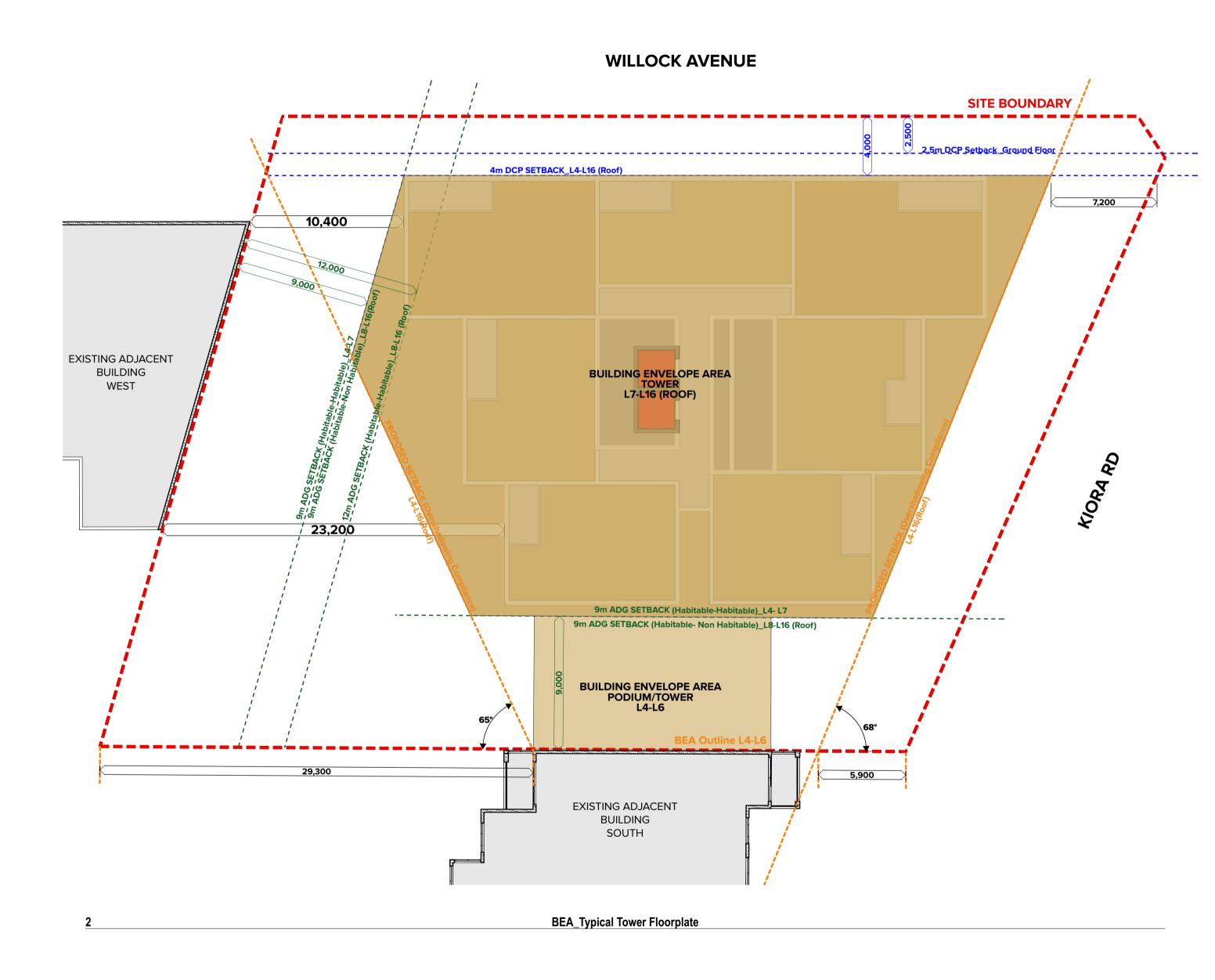
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PROPOSED MAXIMUM BUILDING ENVELOPE ZONE

EXISTING ADJACENT DEVELOPMENTS

--- SOLAR PLANES

--- SITE BOUNDARY

LEP & DCP SETBACKS

**---** ADG SETBACKS

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Project Title

Kiora Road, Miranda

23 Kiora Road Miranda NSW 2228 Australia

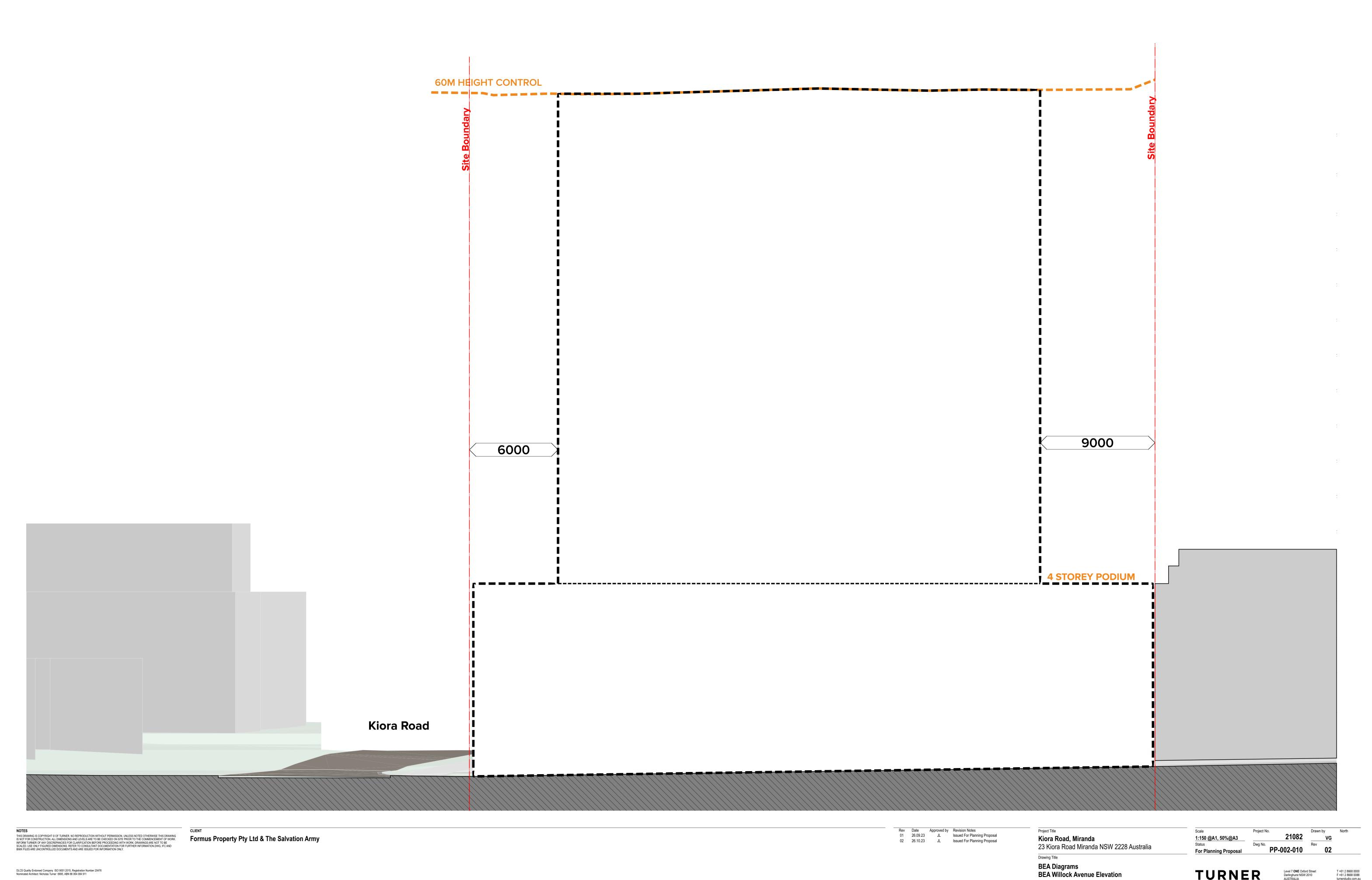
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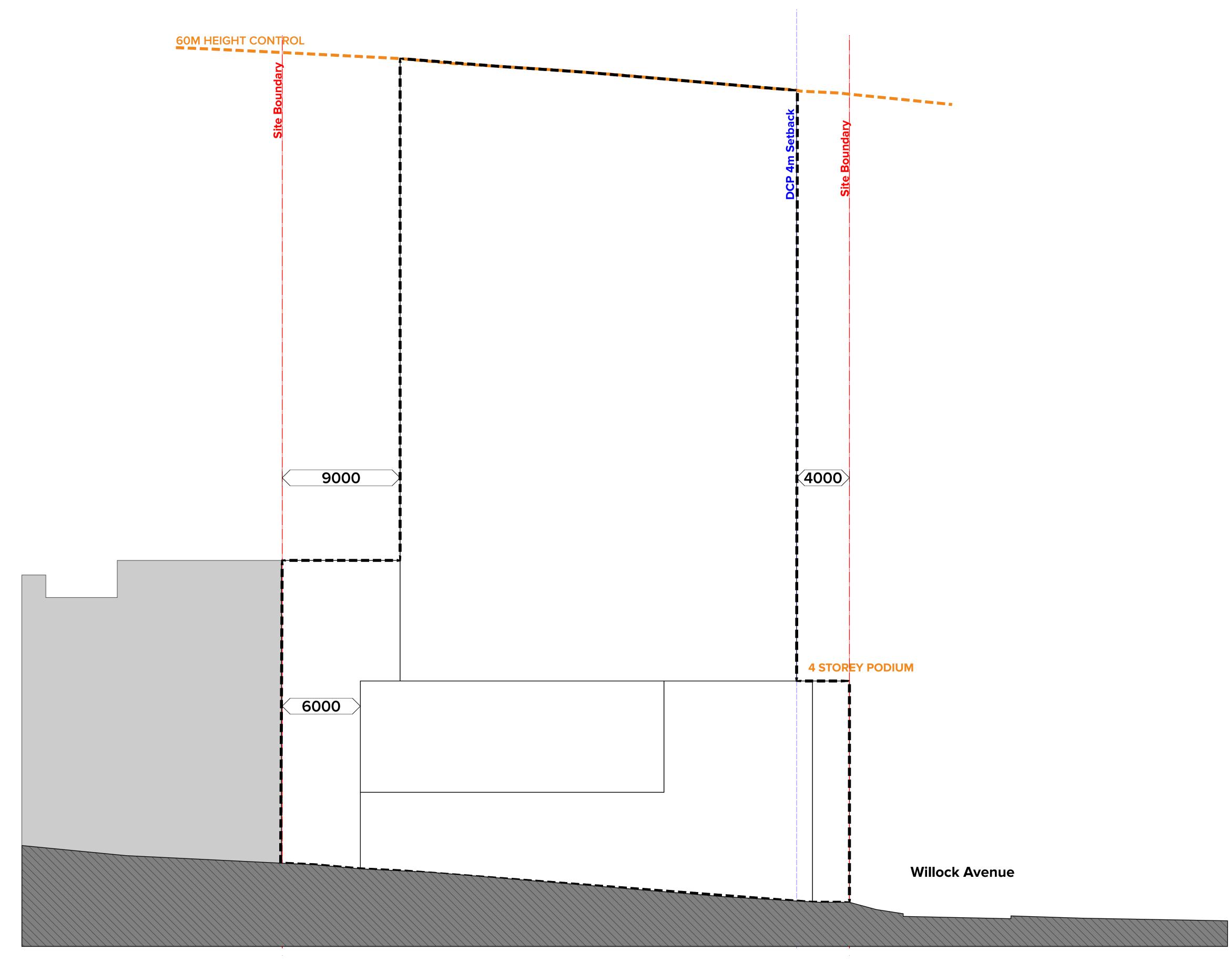
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DLCS Quality Endorsed Company ISO 9001:2015, Registration Number 20476 Nominated Architect: Nicholas Turner 6695, ABN 86 064 084 911



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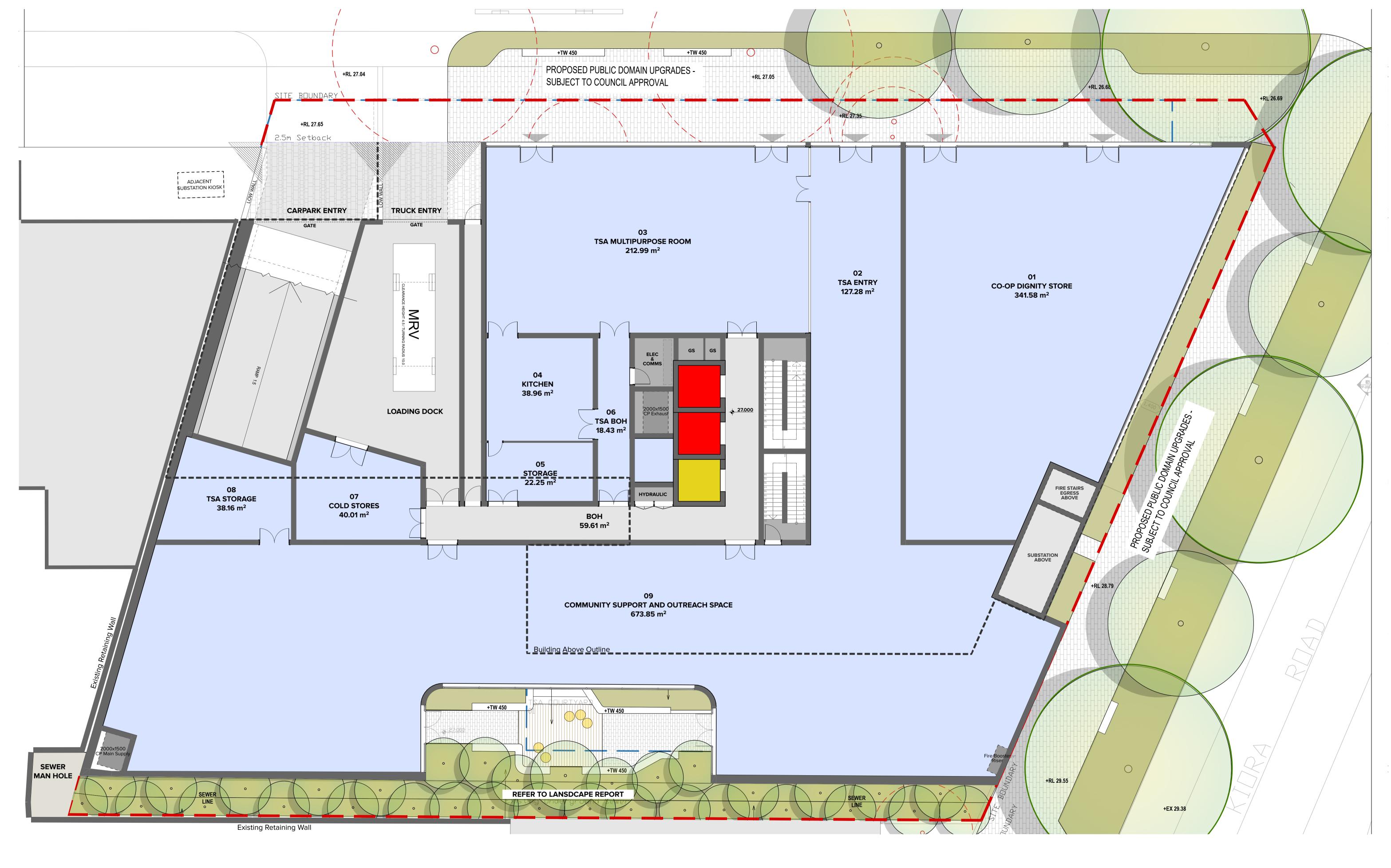
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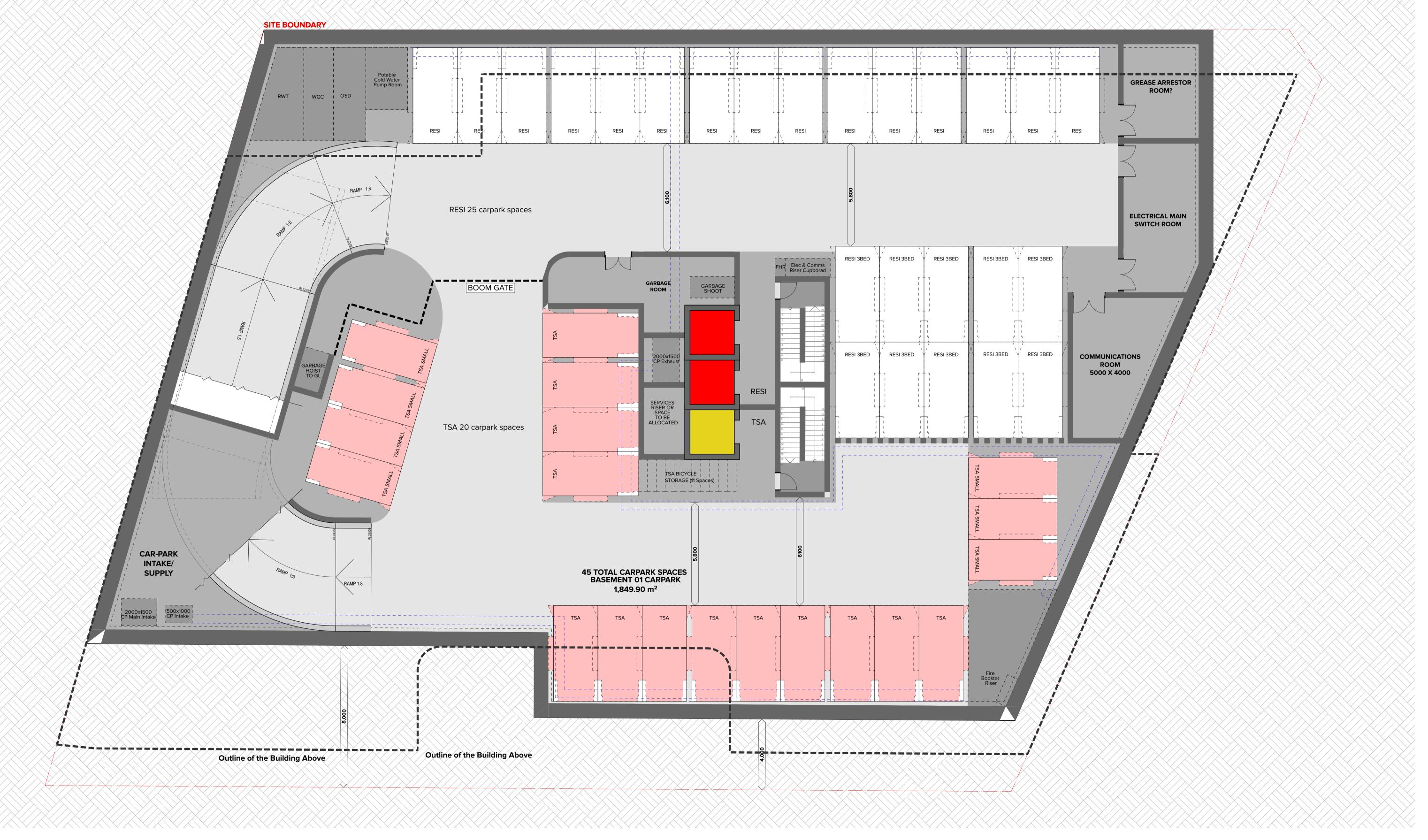
#### **GROUND LEVEL FLOORPLATE** Esc 1:100

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1:100, 1:1 @A1, 50%@A3

08 26.10.23 JL Issued For Planning Proposal

Ground Level



# BASEMENT 01

Esc 1:100

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RR2 REFRIGERATION RISER 02
LR LOBBY RELIEF RISER WITH SUBDUCT
LA LOBBY OUTSIDE AIRE FROM ROOF
FPRDE FIRE PUMP ROOM DIESEL EXHAUST
GS GARBAGE SHOOT

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Project Title

Kiora Road, Miranda
23 Kiora Road Miranda NSW 2228 Australia

Drawing Title

Planning Proposal Plans

Basement 01



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LA LOBBY OUTSIDE AIRE FROM ROOF
FPRDE FIRE PUMP ROOM DIESEL EXHAUST
GS GARBAGE SHOOT

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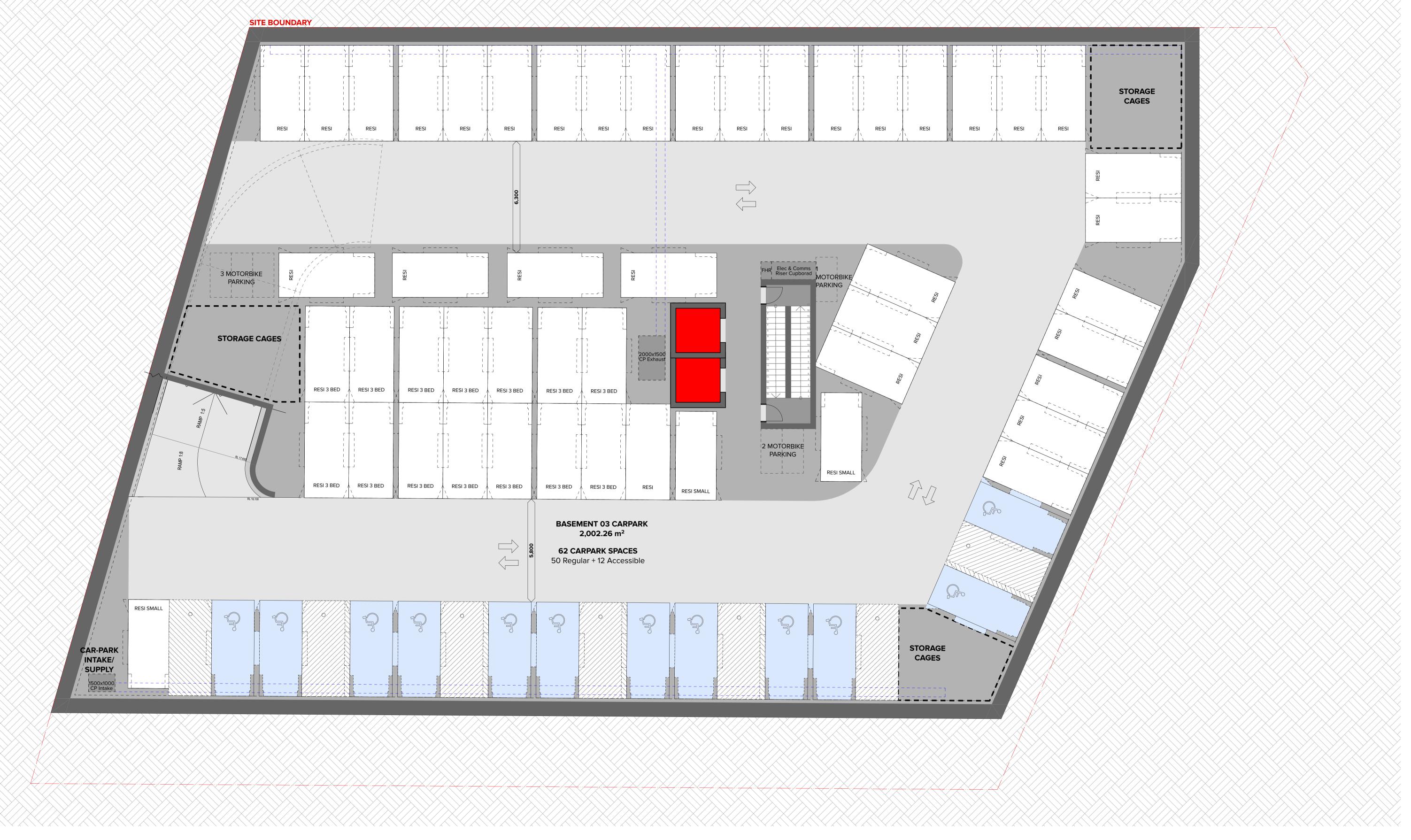
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Basement 02

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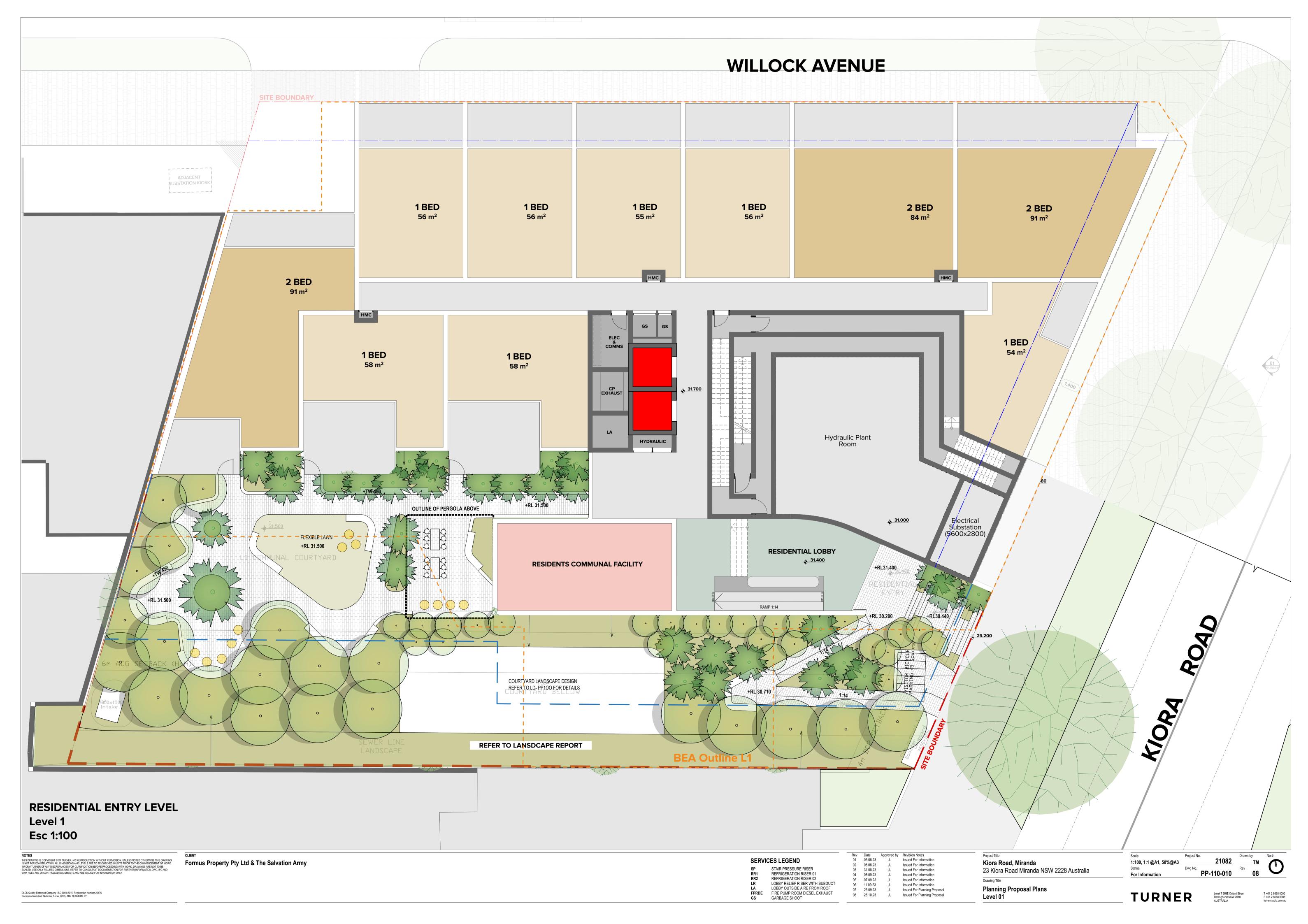
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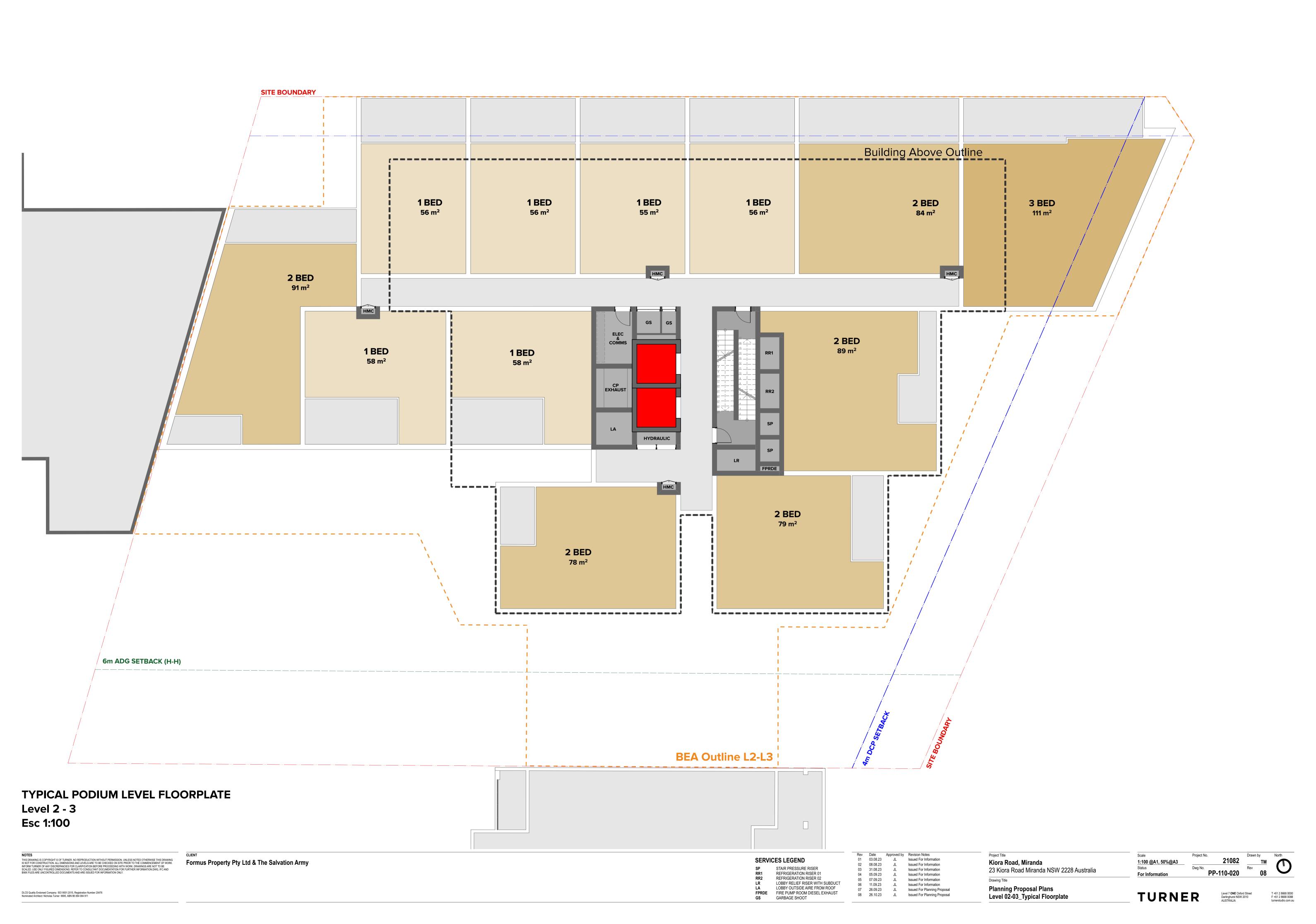
Basement 03

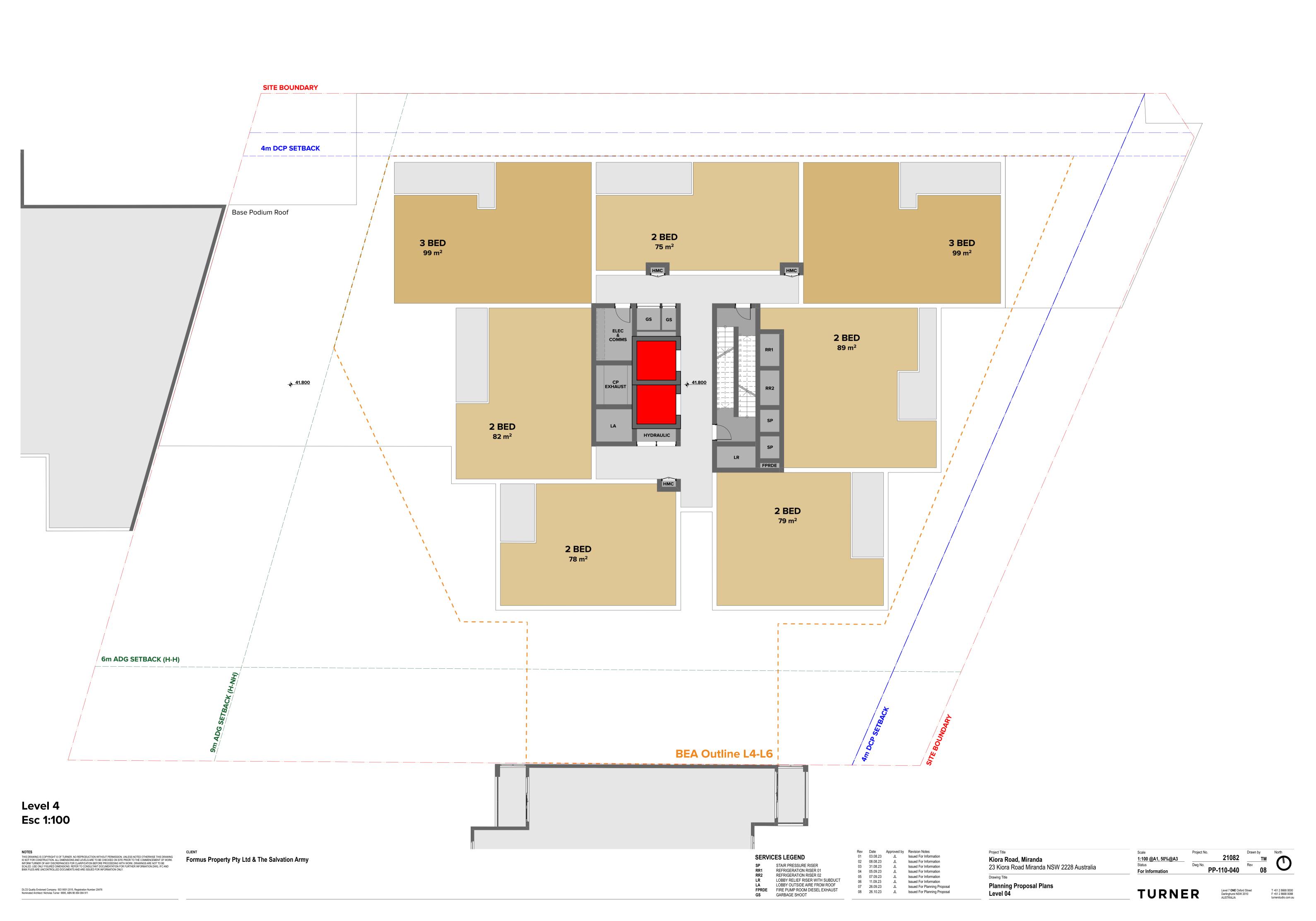
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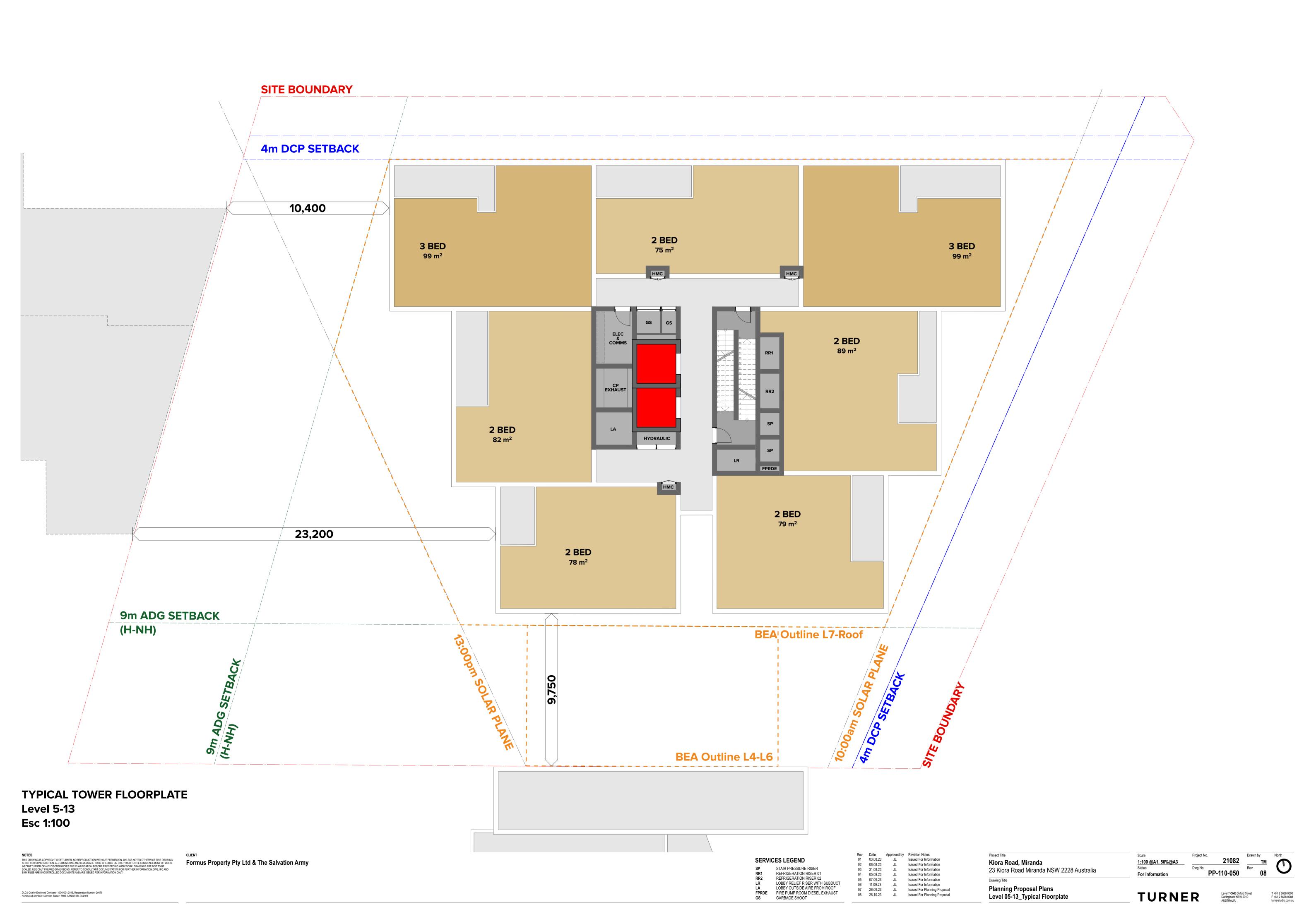
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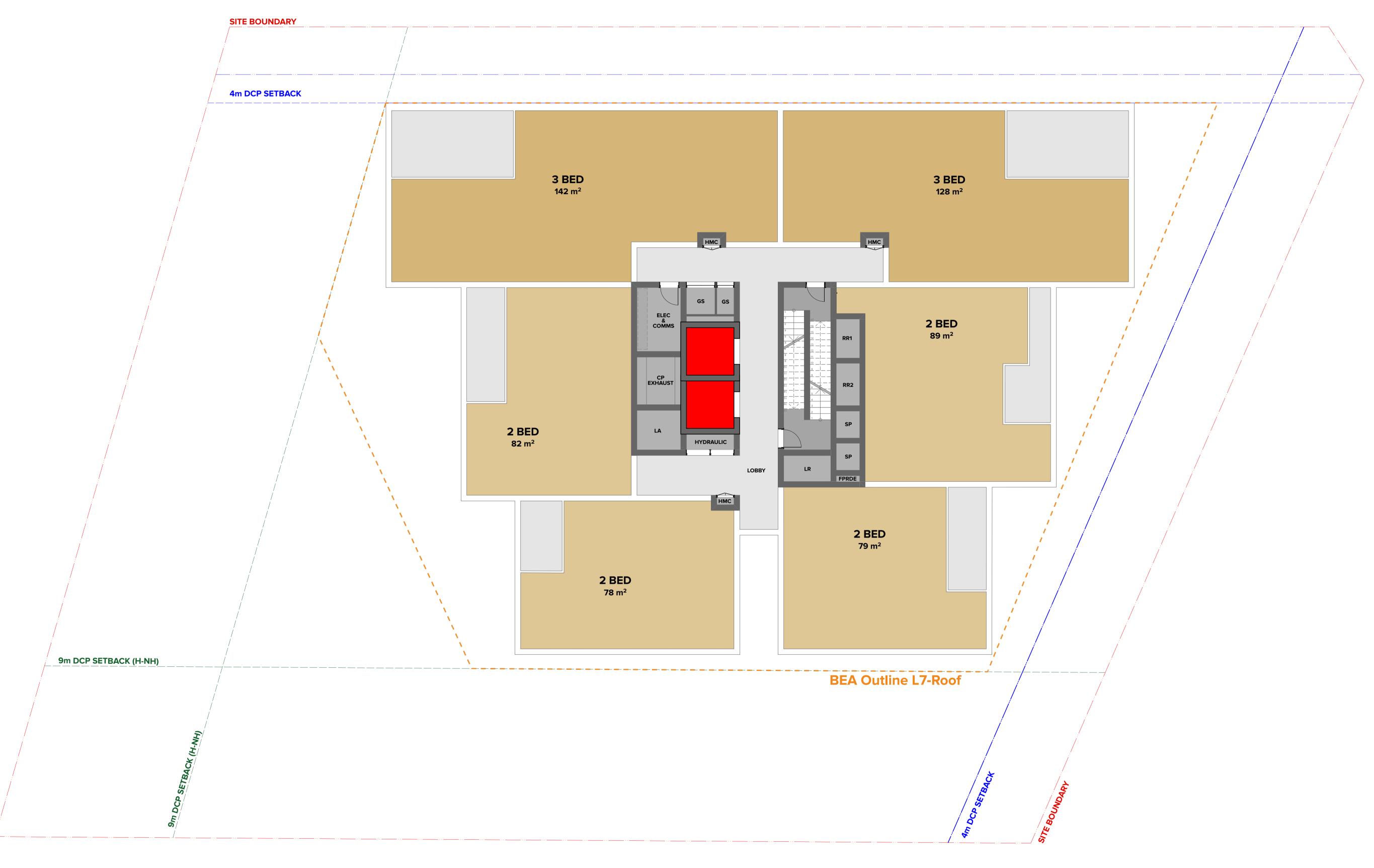
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#### TYPICAL FLOORPLATE - PENTHOUSE LEVELS Level 14 - 15

Esc 1:100

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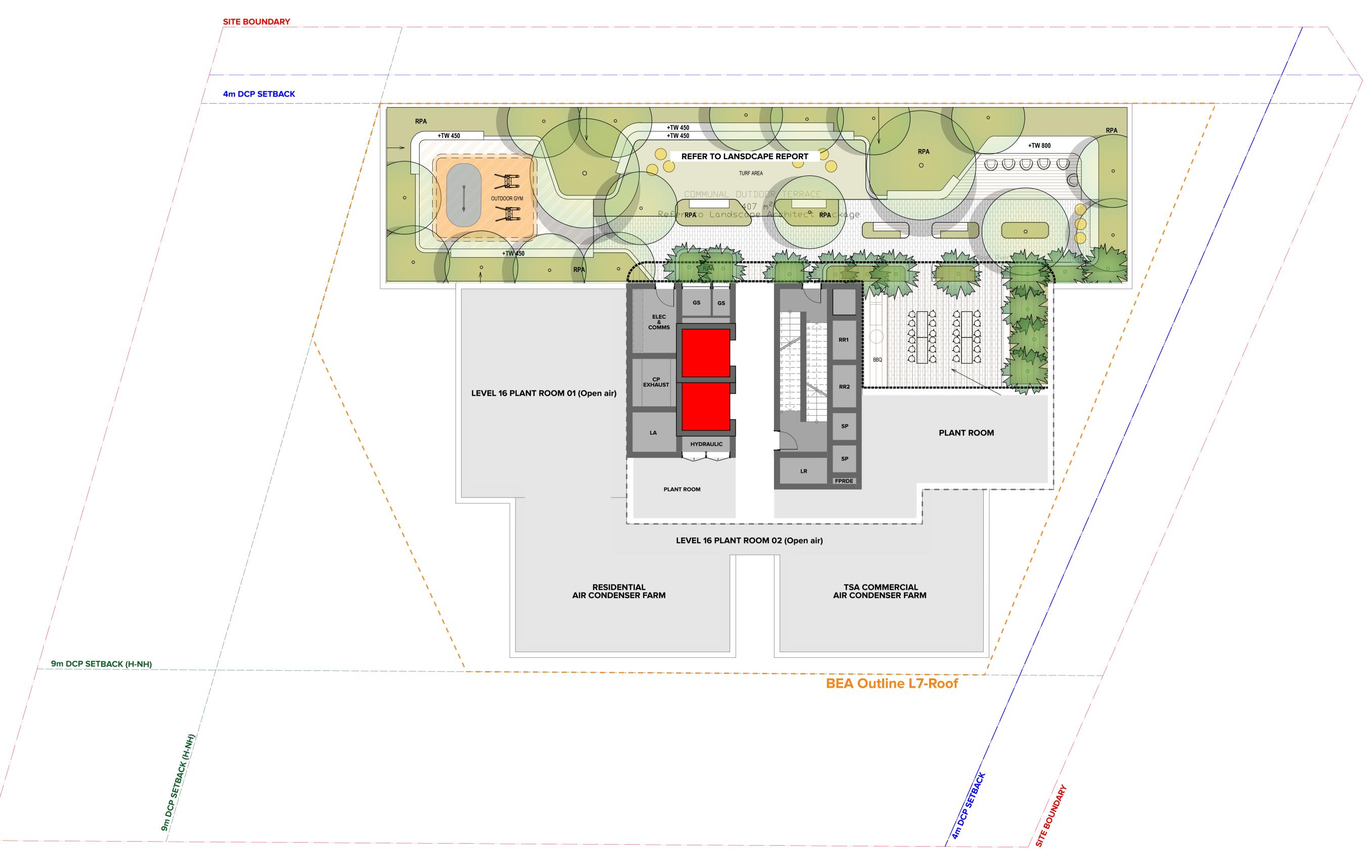
Drawing Title

Planning Proposal Plans
Level 14-15\_Typical Penthouse Level Floorplate

 Scale
 Project No.
 Drawn by
 North

 1:100 @A1, 50%@A3
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#### ROOFTOP GARDEN AND COMMUNAL AMENITY LEVEL Level 16

**Esc 1:100** 

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FIRE PUMP ROOM DIESEL EXHAUST

GS

GARBAGE SHOOT

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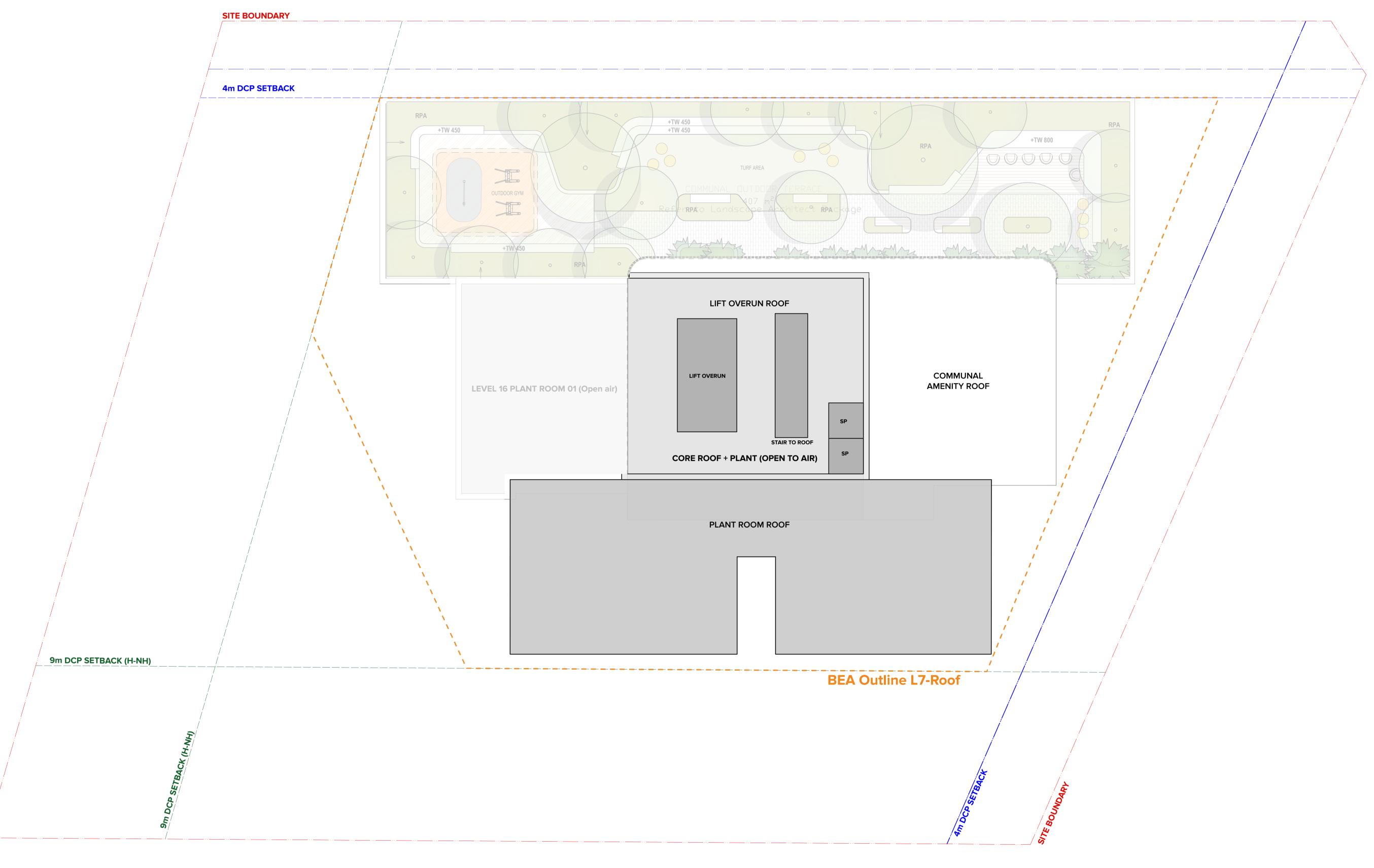
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Kiora Road, Miranda 23 Kiora Road Miranda NSW 2228 Australia Planning Proposal Plans Level 16\_Communal Terrace



ROOFTOP LEVEL Level 17

**Esc 1:100** 

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 Revision Notes

 01
 03.08.23
 JL
 Issued For Information

 02
 08.08.23
 JL
 Issued For Information

 03
 05.09.23
 JL
 Issued For Information

 04
 07.09.23
 JL
 Issued For Information

 05
 11.09.23
 JL
 Issued For Information

 06
 26.09.23
 JL
 Issued For Planning Proposal

 07
 26.10.23
 JL
 Issued For Planning Proposal

Project Title

Kiora Road, Miranda
23 Kiora Road Miranda NSW 2228 Australia

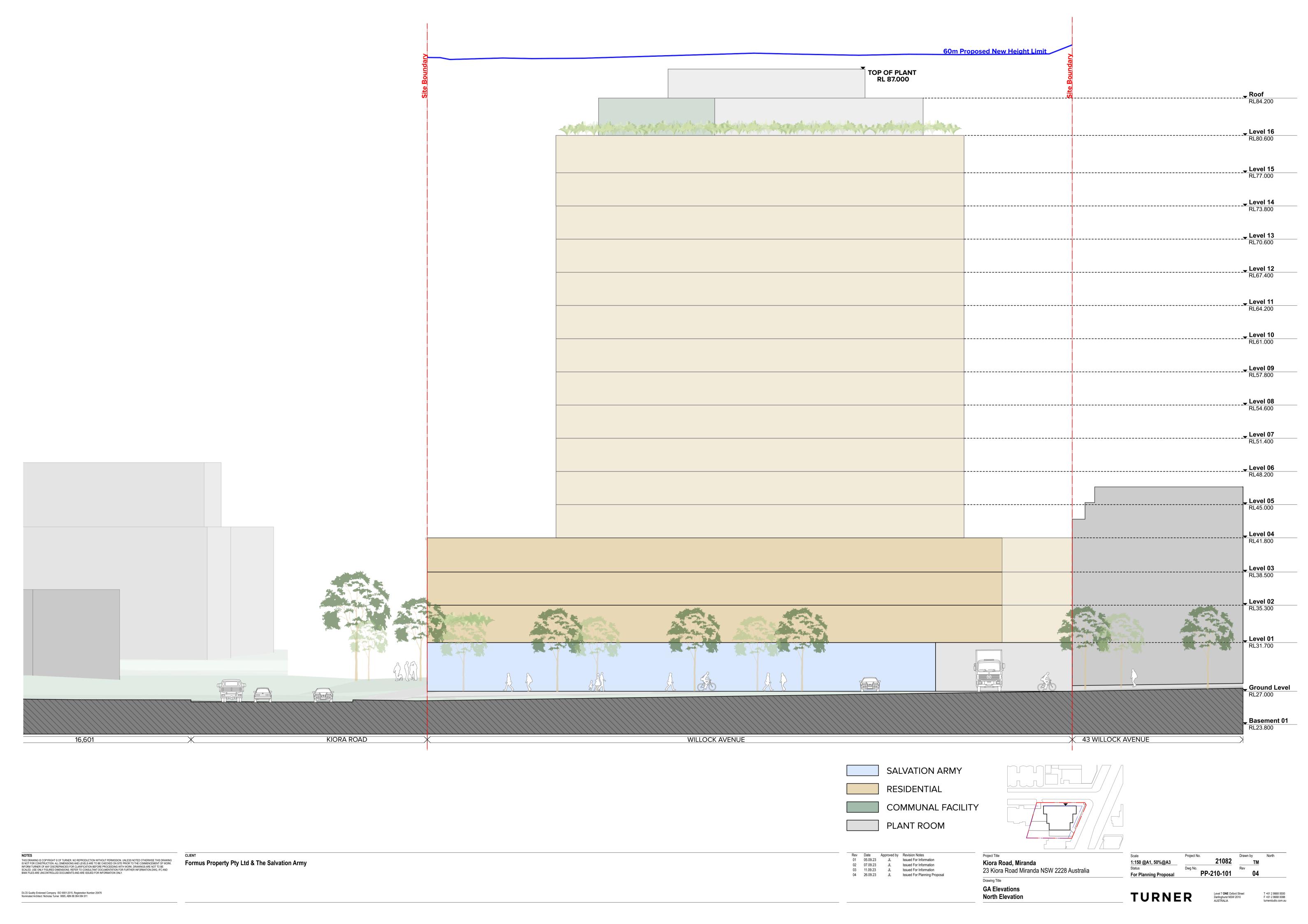
Drawing Title

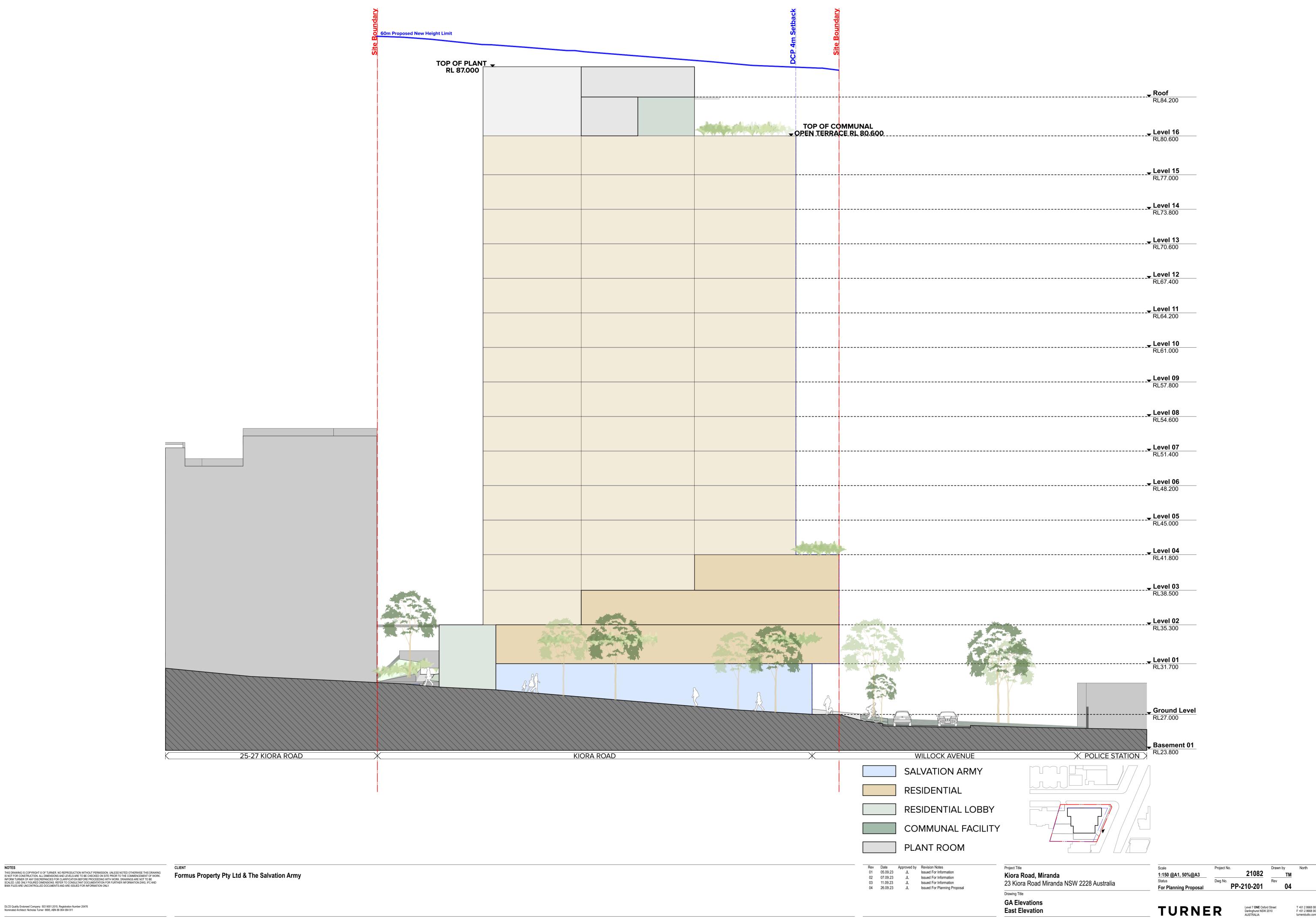
Planning Proposal Plans
Level 17\_Plant Room

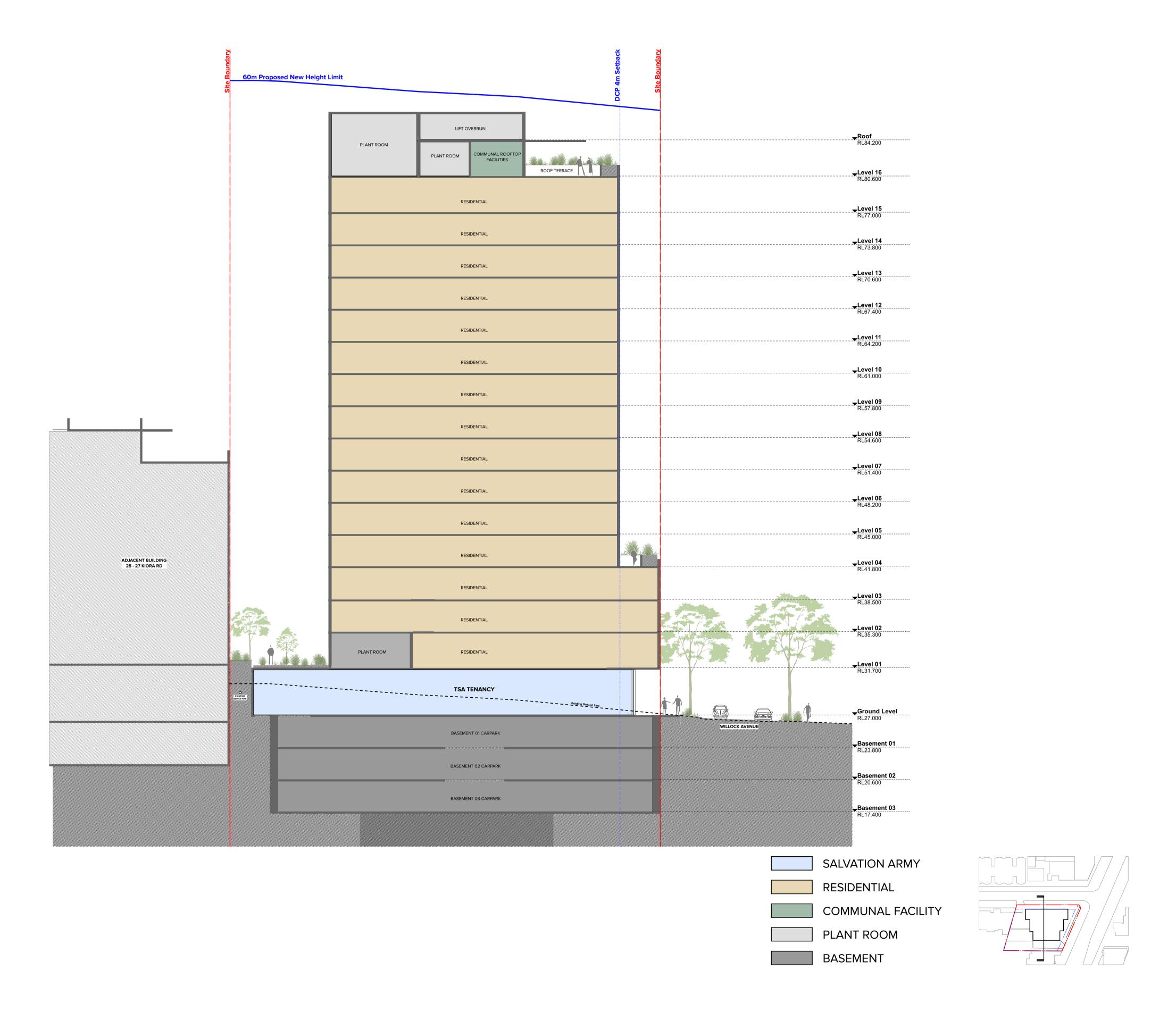
 Scale
 Project No.
 Drawn by
 North

 1:100, 1:1 @A1, 50%@A3
 21082
 TM

 Status
 Dwg No.
 Rev
 07







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Kiora Road, Miranda 23 Kiora Road Miranda NSW 2228 Australia Drawing Title

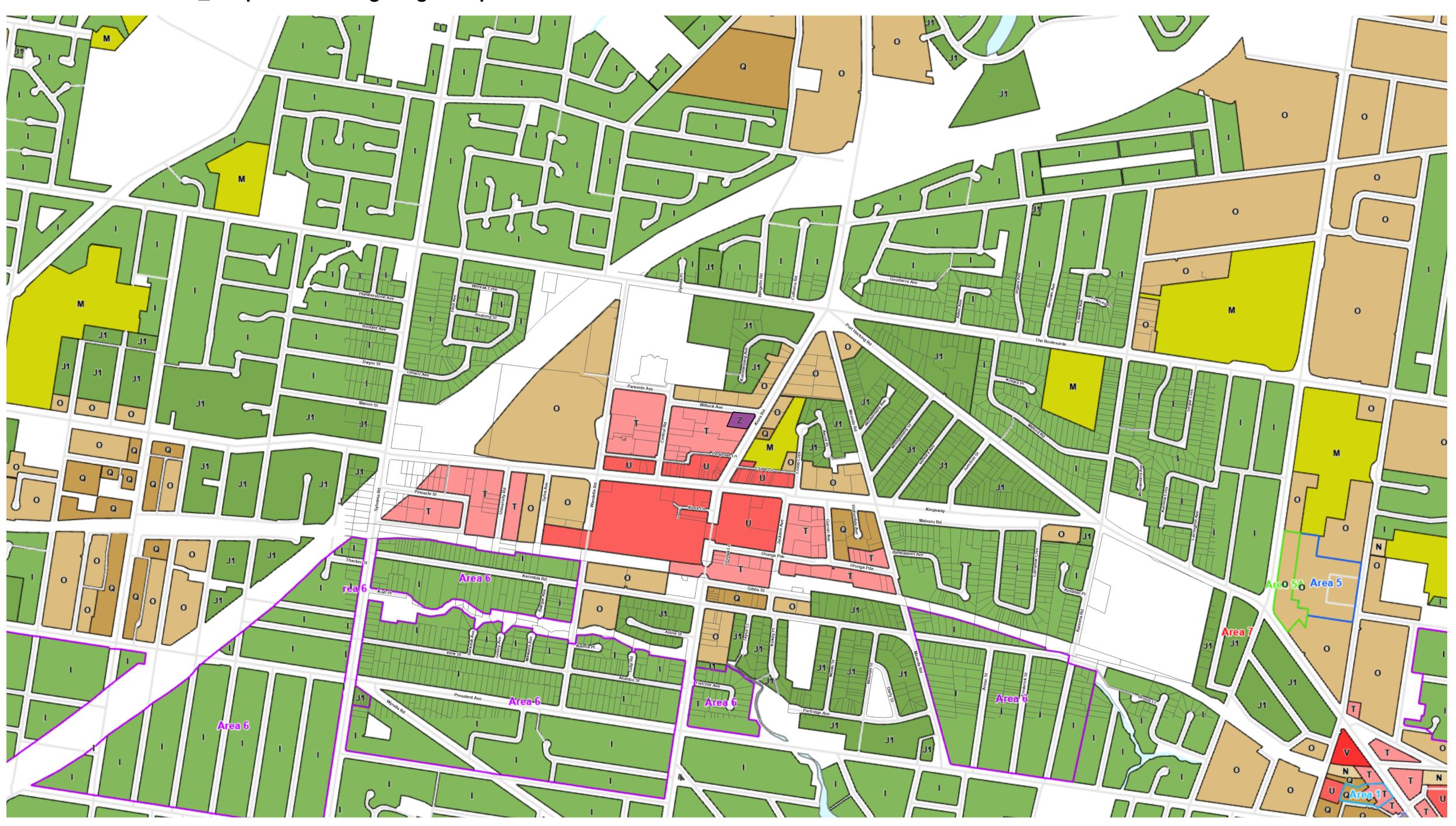
**GA Sections** 

Section AA

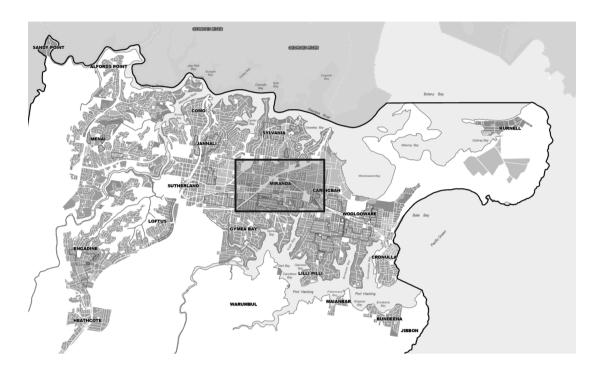
1:200 @A1, 50%@A3 PP-310-101 For Planning Proposal

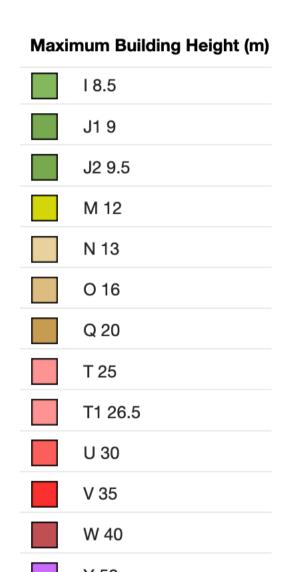
Level 7 **ONE** Oxford Street Darlinghurst NSW 2010 AUSTRALIA

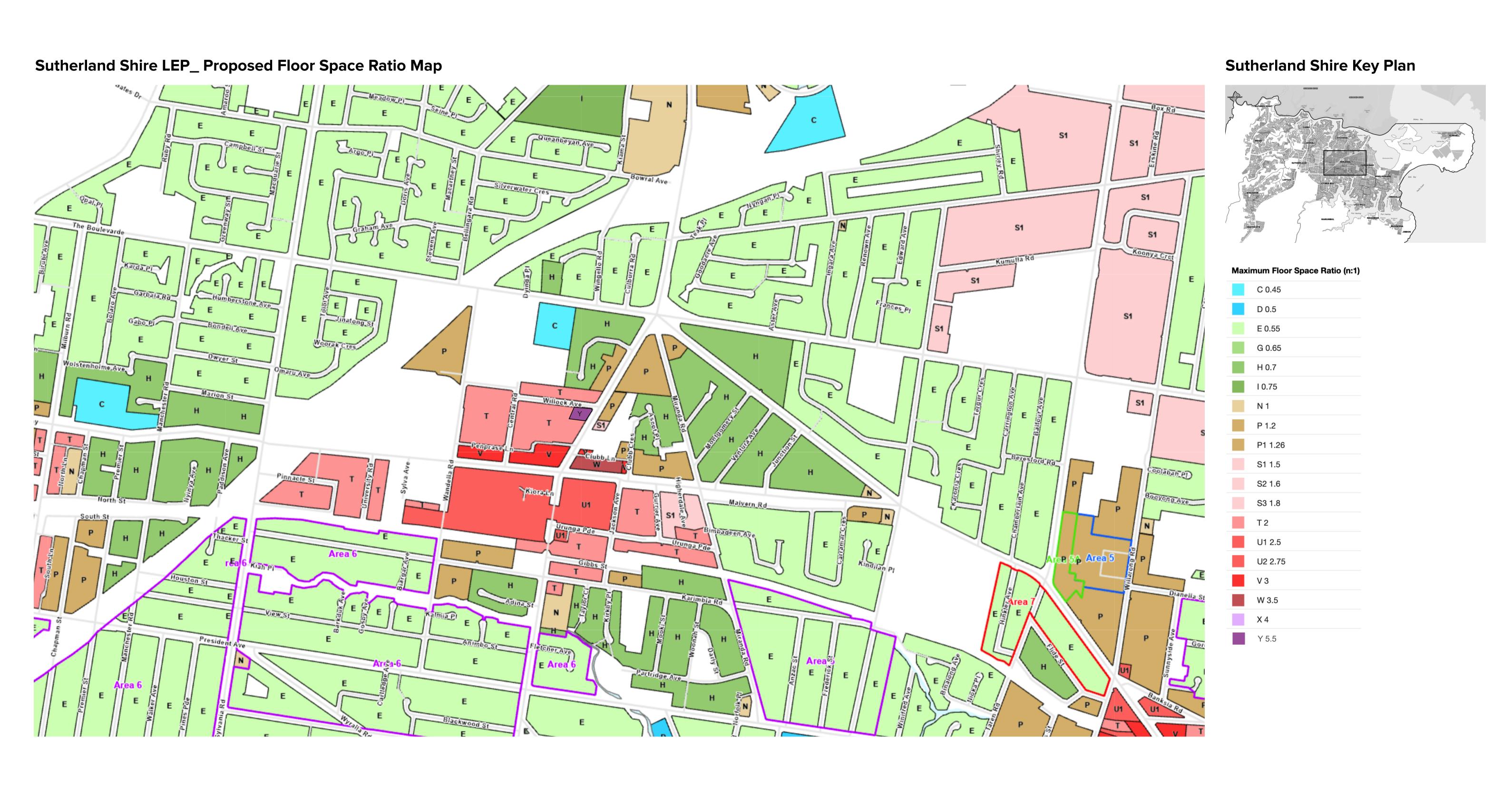
# Sutherland Shire LEP\_ Proposed Building Height Map



# Sutherland Shire Key Plan

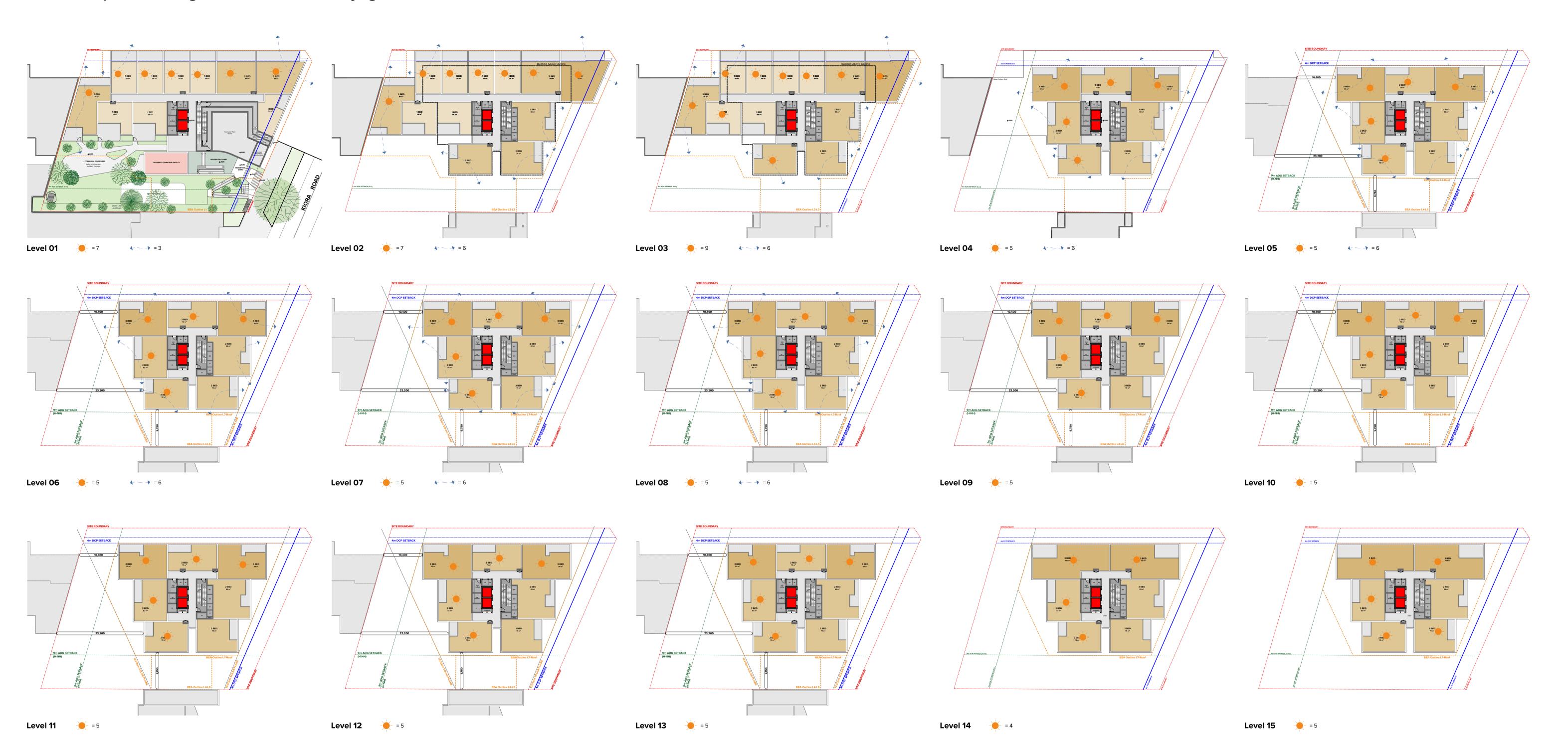






LEP\_Proposed FSR Map

# ADG Compliance Diagrams \_ Solar and daylight access + Natural Ventilation



# **LEGEND**

Number of Apartments that Achieve Min. 2hrs of Solar

♦ Number of Apartments that Natural ventilation (First 9 Storeys)

# **Compliance Schedule**

#### **LEVEL**

|                   | 1  | 2  | 3  | 4 | 5 | 6 |   | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |     |  |
|-------------------|----|----|----|---|---|---|---|---|---|----|----|----|----|----|----|-----|--|
| No. of Apartments | 10 | 12 | 12 | 7 | 7 | 7 | 7 | 7 | 7 | 7  | 7  | 7  | 7  | 6  | 6  | 116 |  |
| Solar             | 7  | 7  | 9  | 5 | 5 | 5 | 5 | 5 | 5 | 5  | 5  | 5  | 5  | 4  | 5  | 82  |  |
| Cross Vent        | 3  | 6  | 6  | 6 | 6 | 6 | 6 | 6 |   |    |    |    |    |    |    | 45  |  |

#### **ADG OBJECTIVE 4A-1**

Living rooms and private open spaces of at least 70% of apartments in a building receive a minimum of 2 hours direct sunlight between 9 am and 3 pm at mid winter in the Sydney Metropolitan Area and in the Newcastle and Wollongong local government areas

#### **ADG OBJECTIVE 4B-3**

**71**% **65**% At least 60% of apartments are naturally cross ventilated in the first nine storeys of the building. Apartments at ten storeys or greater are deemed to be cross ventilated only if any enclosure of the balconies at these levels allows adequate natural ventilation and cannot be fully enclosed

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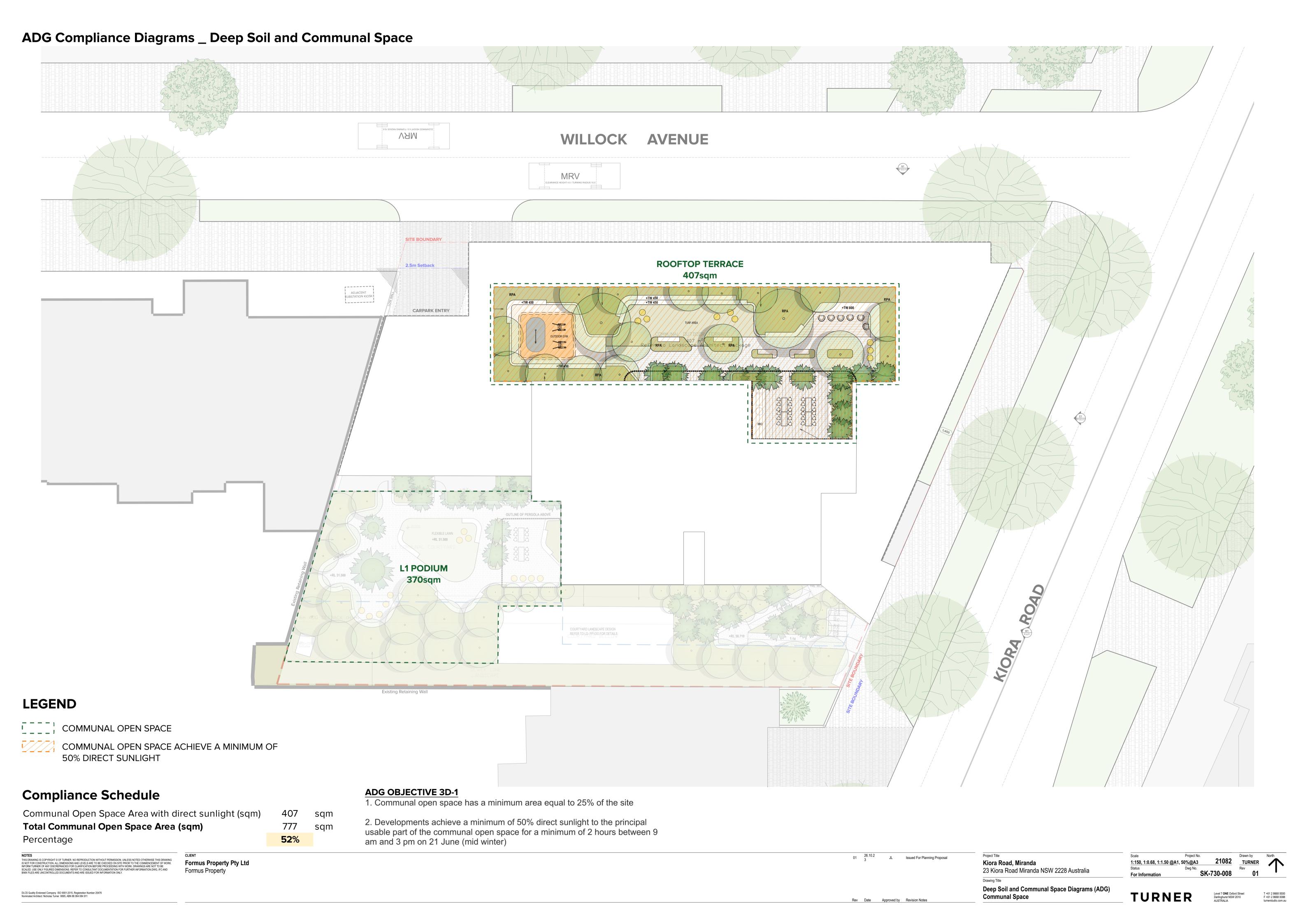
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Amenity Diagrams (ADG)

Solar access + Natural Ventilation

**TURNER** 



# **ADG Compliance Diagrams \_ Deep Soil** WILLOCK **AVENUE** SITE BOUNDARY 2.5m Setback ADJACENT SUBSTATION KIOSK CARPARK ENTRY 00000 OUTLINE OF PERGOLA ABOVE +RL 31.500 **DEEP SOIL ZONE** 212m<sup>2</sup> **LEGEND** DEEP SOIL ZONE

# Compliance Schedule Deep Soil Zone (sqm)

Total Site Area (sqm) Percentage

DLCS Quality Endorsed Company ISO 9001:2015, Registration Number 20476 Nominated Architect: Nicholas Turner 6695, ABN 86 064 084 911

**ADG OBJECTIVE 3E-1** 

Deep soil zones provide areas on the site that allow for and support healthy plant and tree growth. They improve residential amenity and promote management of water and air quality. 2,447

8.6%

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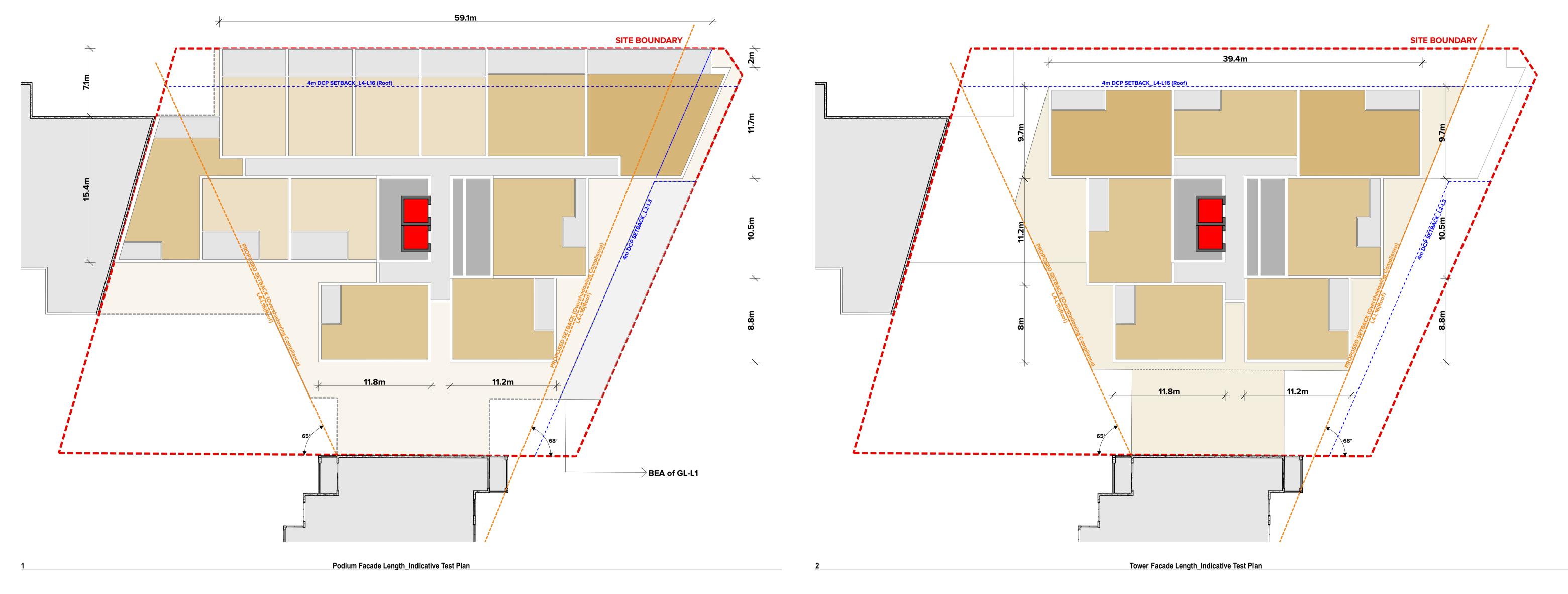
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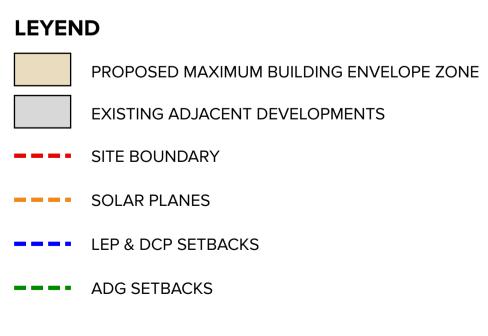
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SK-730-009

Deep Soil and Communal Space Diagrams (ADG) Rev Date Approved by Revision Notes



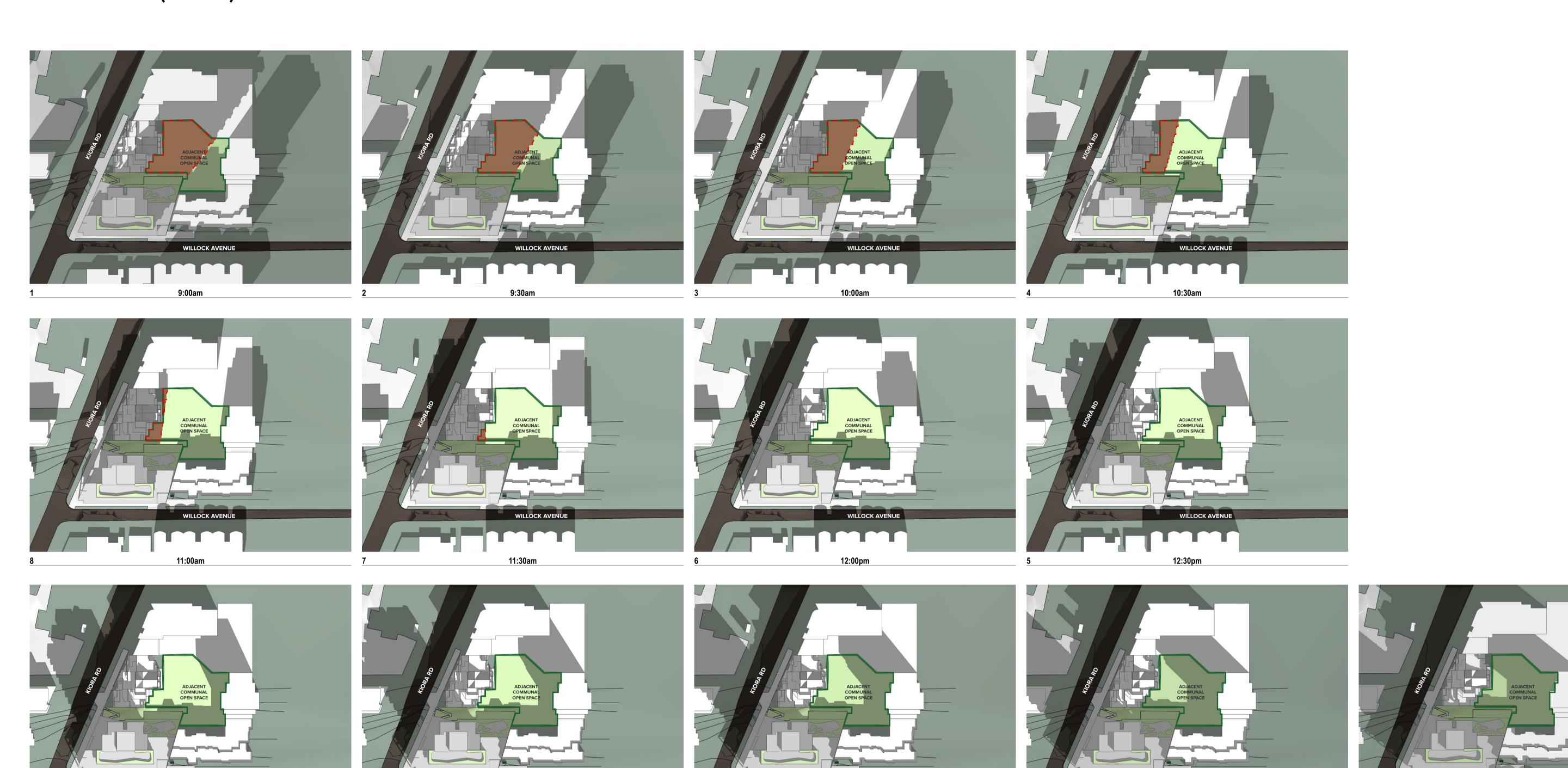


| NOTES      |              |             |           |          |           |         |         |          |         |          |         |          |           |
|------------|--------------|-------------|-----------|----------|-----------|---------|---------|----------|---------|----------|---------|----------|-----------|
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| ing Proposal  | Project Title   |
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| ing i Toposai | Kiora Road, Miranda<br>23 Kiora Road Miranda NSW 2228 Australia |
|               | Drawing Title   |
|               | BFA Diagrams  |

# Shadow Diagrams \_ Proposed Tower Massing impact assesment to adjacent communal open space Winter Solstice (21 June)



WILLOCK AVENUE





PROPOSED TOWER SHADOW IMPACT ON ADJACENT COMMUNAL OPEN SPACE AREA

#### **ADG OBJECTIVE 3D-1**

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Developments achieve a minimum of 50% direct sunlight to the principal usable part of the communal open space for a minimum of 2 hours between 9 am and 3 pm on 21 June (mid winter)

# Overshadowing Assessment Schedule

WILLOCK AVENUE

13:30pm

|  |      |     | 9:30am      | 10:00am | 10:30am | 11:00am     | 11:30am | 12:00pm | 12:30pm     | 13:00pm | 13:30pm     | 14:00pm | 14:30pm        | 15pm               |
|--|------|-----|-------------|---------|---------|-------------|---------|---------|-------------|---------|-------------|---------|----------------|--------------------|
| al Open Space Area with direct sunlight (sqn |      | 105 | 301         | 529     | 811     | 1095        | 1205    | 1197    | 1154        | 1057    | 899         | 681     | 435            | 190                |
| mmunal Open Space Area (sqm)                 | 1773 |     |             |         |         |             |         |         |             |         |             |         |                |                    |
| ge   |      | 6%  | <b>17</b> % | 30%     | 46%     | <b>62</b> % | 68%     | 68%     | <b>65</b> % | 60%     | <b>51</b> % | 38%     | 25%            | 11%                |
|  | 1773 | 6%  | 17%         | 30%     | 46%     | 62%         | 68%     | 68%     | 65%         | 60      | )%          | )% 51%  | <b>51%</b> 38% | <b>51%</b> 38% 25% |

At least 50% of the Total Area gets 2:30hrs of Direct Natural Sunlight

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**Shadow Diagrams** 

June 21st

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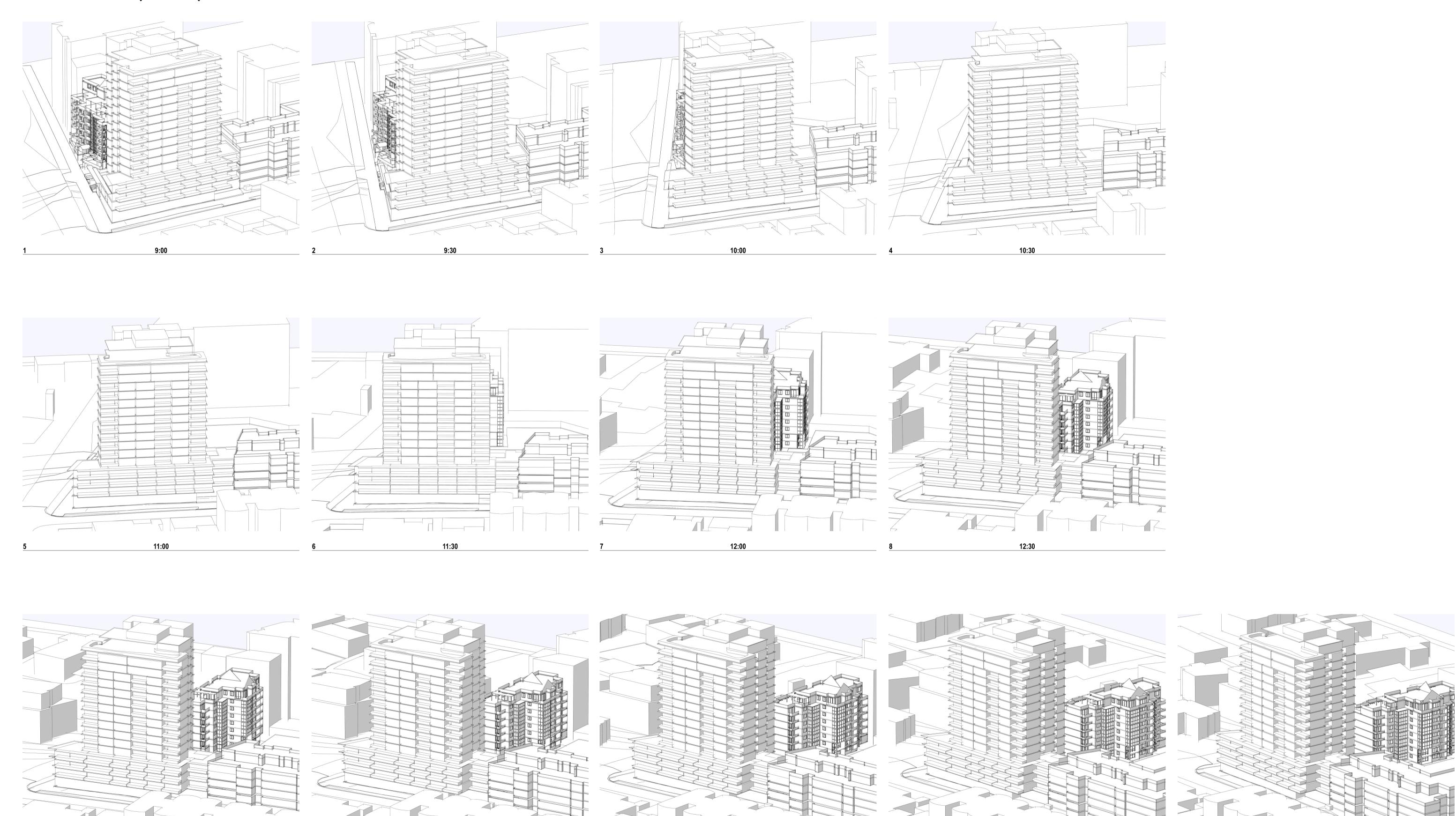
WILLOCK AVENUE

14:30pm

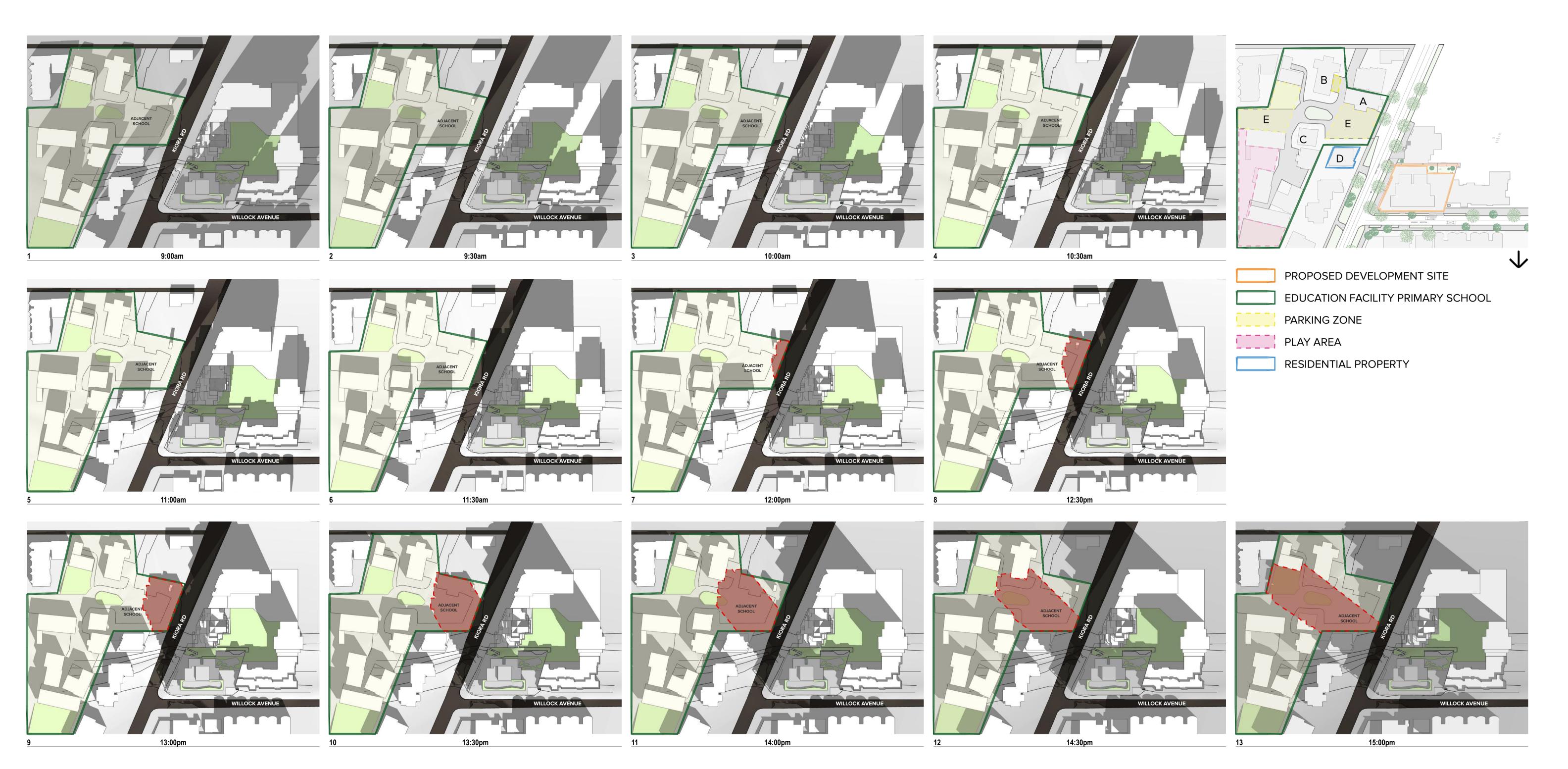
**TURNER** 

15:00pm

# Sun-Eye Views \_ Proposed Tower Massing Winter Solstice (21 June)



# Shadow Diagrams\_Proposed Tower Massing impact assessment to adjacent buildings Winter Solstice (21 June)



# **LEGEND**



PROPOSED TOWER SHADOW IMPACT ON ADJACENT PRIMARY SCHOOL

#### **ADG OBJECTIVE 3B-2**

A minimum of 4 hours of solar access should be retained to solar collectors on neighbouring buildings.

# Overshadowing Assessment Schedule

Building A: Overshadowing occurred from 12:00pm to 2:30pm. Building B: Overshadowing occurred from 2:00pm to 3:00pm. Building C: Overshadowing occurred from 2:30pm to 3:00pm. Building D: Overshadowing occurred from 13:30pm to 3:00pm. Zone E: Overshadowing occurred from 12:00pm to 15:00pm.

- In between 9:00am to 15:00pm, the neighbouring building are able to obtain a minimum of 4 hours of solar access.

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**Shadow Diagrams** 

June 21st

1:222.22, 1:1674.27 @A1, 50%@A3 SK-790-004

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