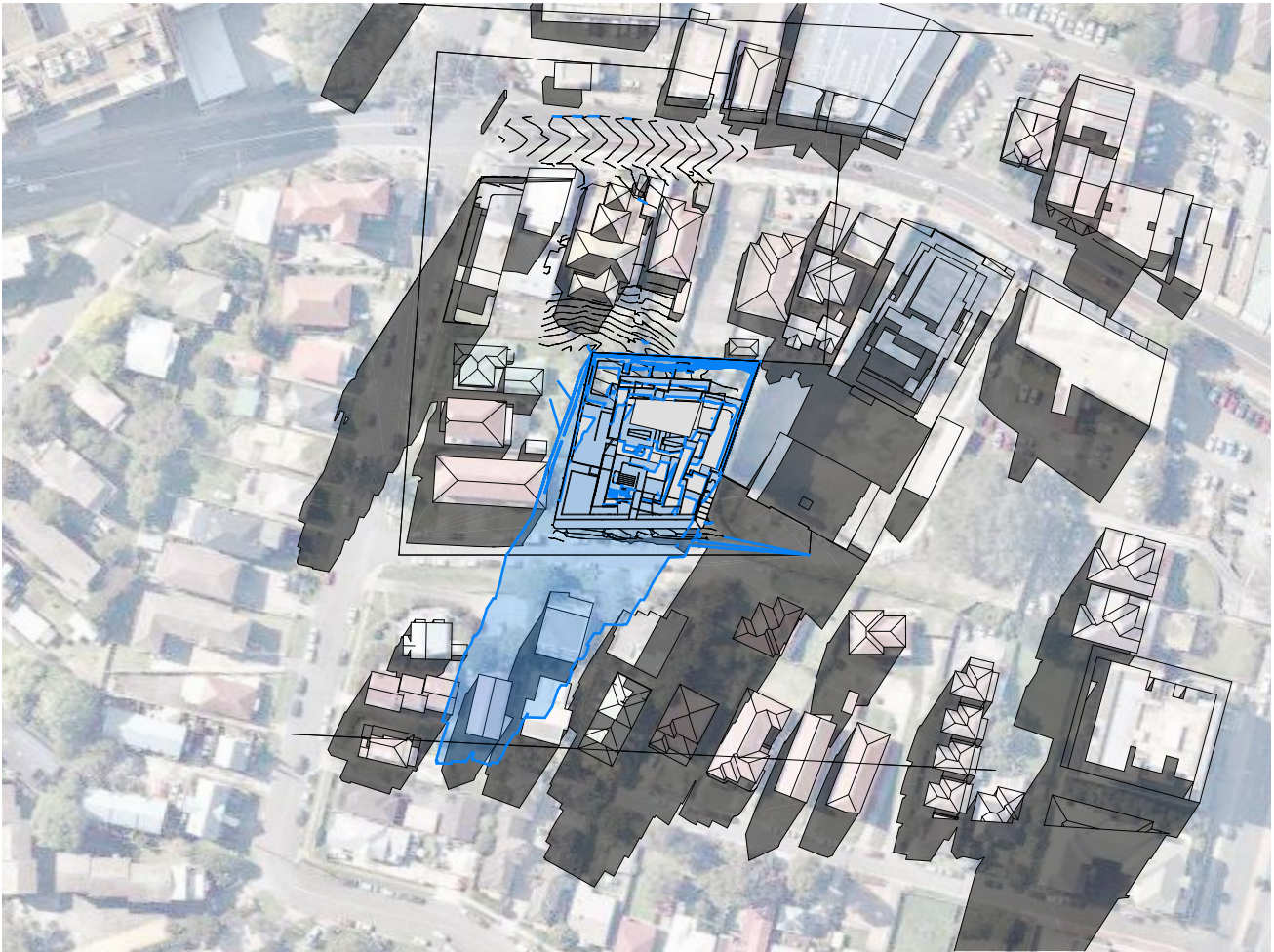


Shadow 9 am - proposed

SCALE 1:2000



Shadow 10 am - proposed

SCALE 1:2000



Shadow 11 am - proposed

SCALE 1:2000



Shadow 12pm - proposed

SCALE 1:2000

EXISTING SHADOW  
PROPOSED SHADOW

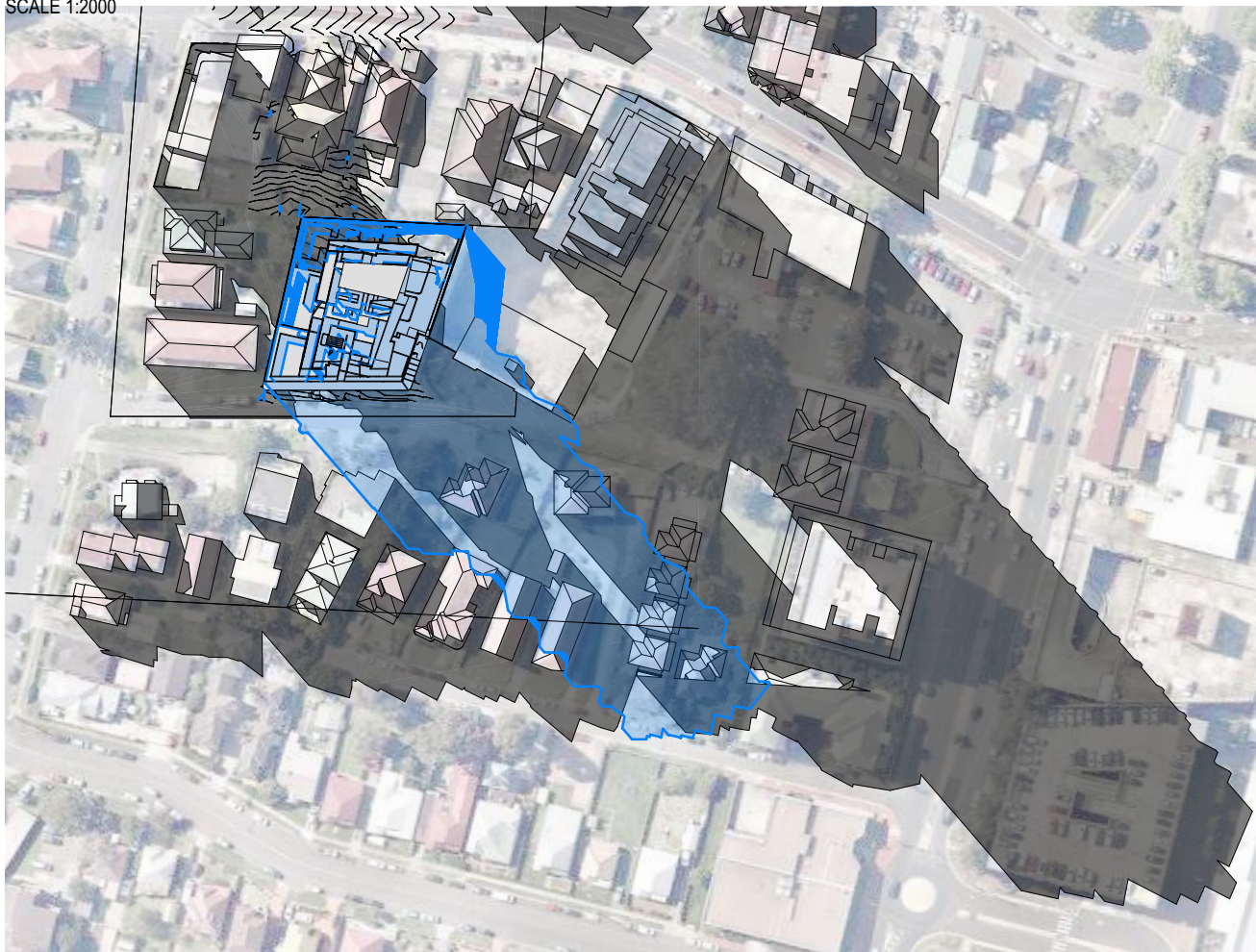






Shadow 1 pm - proposed

SCALE 1:2000



Shadow 3pm - proposed

SCALE 1:2000



Shadow 2 pm - proposed

SCALE 1:2000

EXISTING SHADOW  
PROPOSED SHADOW







9AM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 400m<sup>2</sup>



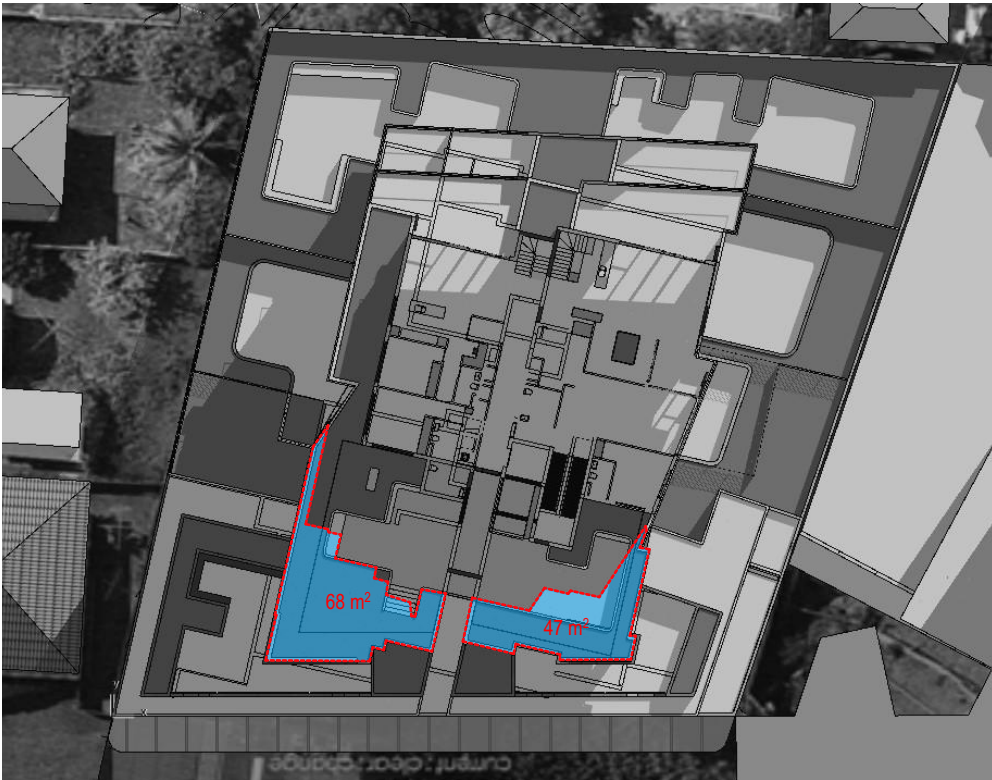
10AM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 462m<sup>2</sup>



11AM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 475m<sup>2</sup>



9AM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 61m<sup>2</sup>



10AM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 115m<sup>2</sup>



11AM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 128m<sup>2</sup>

**COMMUNAL OPEN SPACE AREA SOLAR CALCULATIONS:**

SITE AREA = 1929m<sup>2</sup>  
 25% MIN. REQ. COS = 482m<sup>2</sup>  
 PROPOSED TOTAL COS = 736m<sup>2</sup>  
 50% OF MIN. REQ. COS (482m<sup>2</sup>)  
 REQ. TO HAVE 2HRS SOLAR = **241m<sup>2</sup>**

**PROPOSED:**  
 BETWEEN 9AM TO 11AM JUNE  
 21 ST A MIN. OF 461m<sup>2</sup> SOLAR  
 ACCESS TO COS OVER BOTH LEVELS IS ACHIEVED AS  
 ILLUSTRATED.

 COMMUNAL OPEN SPACE AREA RECEIVING  
 SOLAR ON JUNE 21ST





9AM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 10m<sup>2</sup>



10AM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 126m<sup>2</sup>



11AM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 180m<sup>2</sup>



12PM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 136m<sup>2</sup>

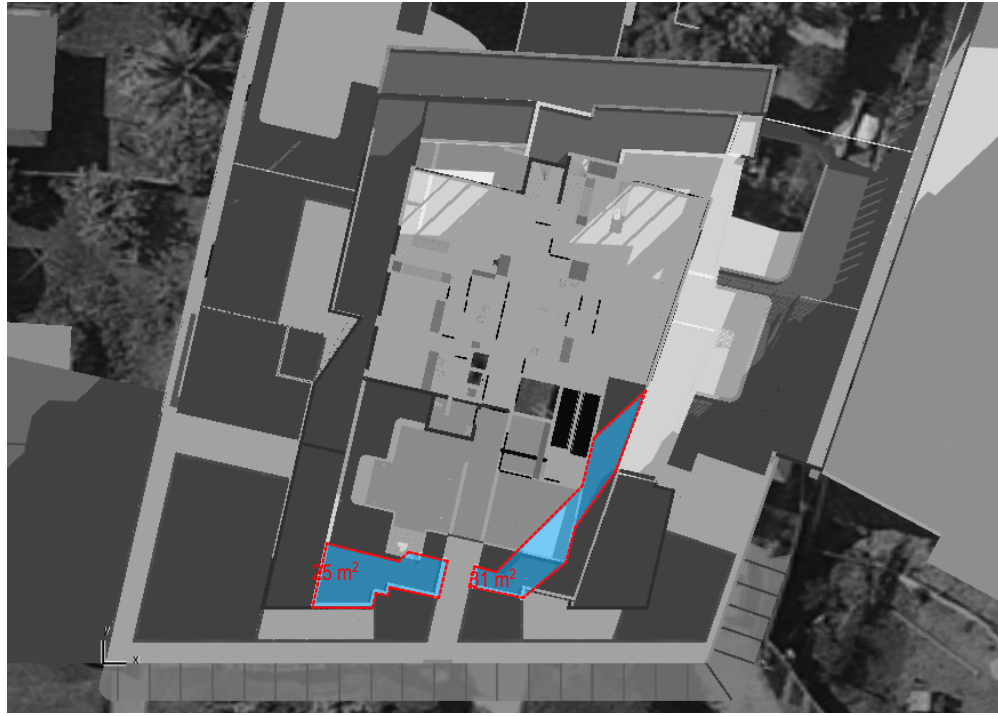


1PM, JUNE 21 - LEVEL 3 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 63m<sup>2</sup>

Sub total =151m<sup>2</sup>

 COMMUNAL OPEN SPACE AREA RECEIVING SOLAR ON JUNE 21ST





9AM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 51m<sup>2</sup>



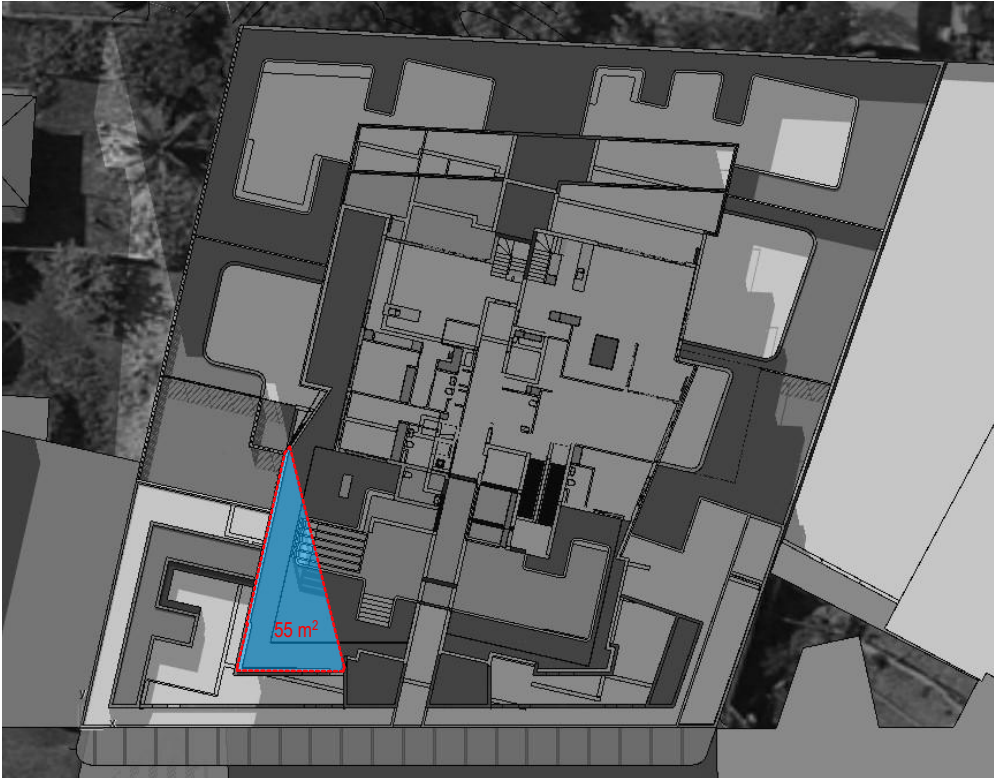
10AM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 86m<sup>2</sup>



11AM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 84m<sup>2</sup>



12PM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 87m<sup>2</sup>



1PM, JUNE 21 - LEVEL 11 COMMUNAL OPEN SPACE  
COS AREA RECEIVING SOLAR = 55m<sup>2</sup>

Sub total =92m<sup>2</sup>

**COMMUNAL OPEN SPACE AREA SOLAR CALCULATIONS:**

SITE AREA = 1929m<sup>2</sup>  
 25% MIN. REQ. COS = 482m<sup>2</sup>  
 PROPOSED TOTAL COS = 619m<sup>2</sup>  
 50% OF MIN. REQ. COS (482m<sup>2</sup>)  
 REQ. TO HAVE 2HRS SOLAR = 151+92 = **243m<sup>2</sup>**

**PROPOSED:**  
 BETWEEN 9AM TO 2PM JUNE  
 21 ST A MIN. OF 243m<sup>2</sup> SOLAR  
 ACCESS TO COS OVER BOTH LEVELS IS ACHIEVED  
 FOR A MIN. OF 2HRS AS  
 ILLUSTRATED.

 COMMUNAL OPEN SPACE AREA RECEIVING  
SOLAR ON JUNE 21ST