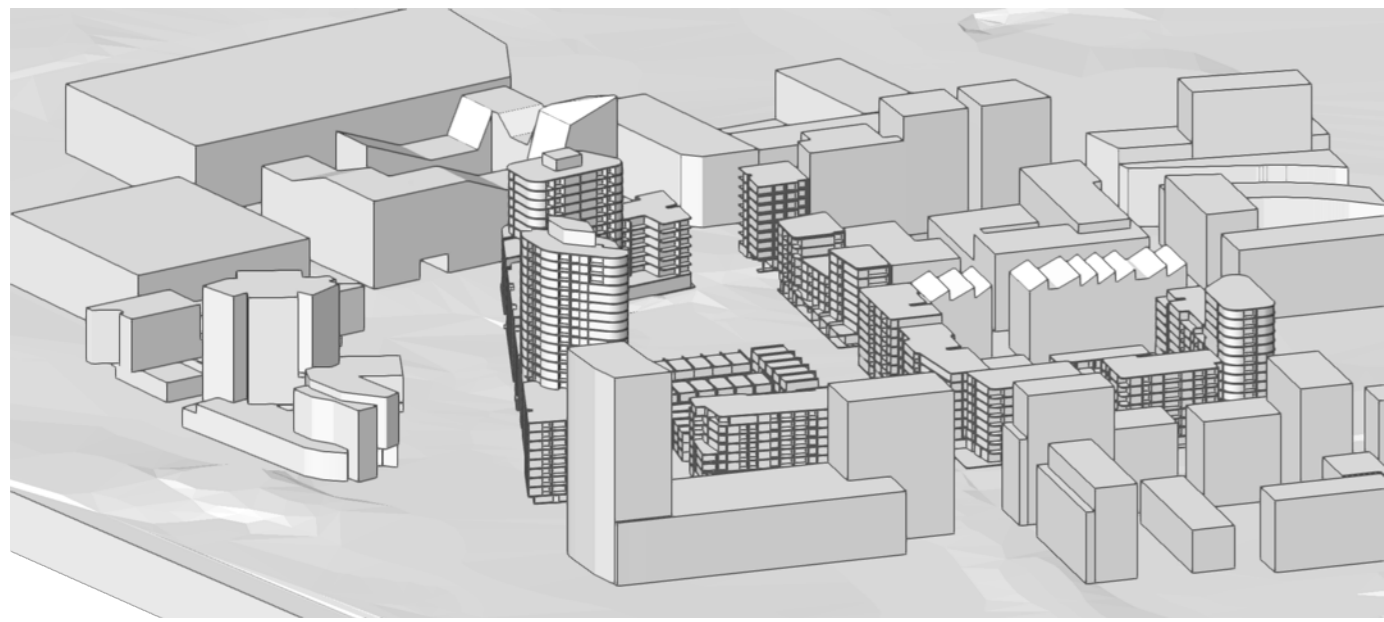


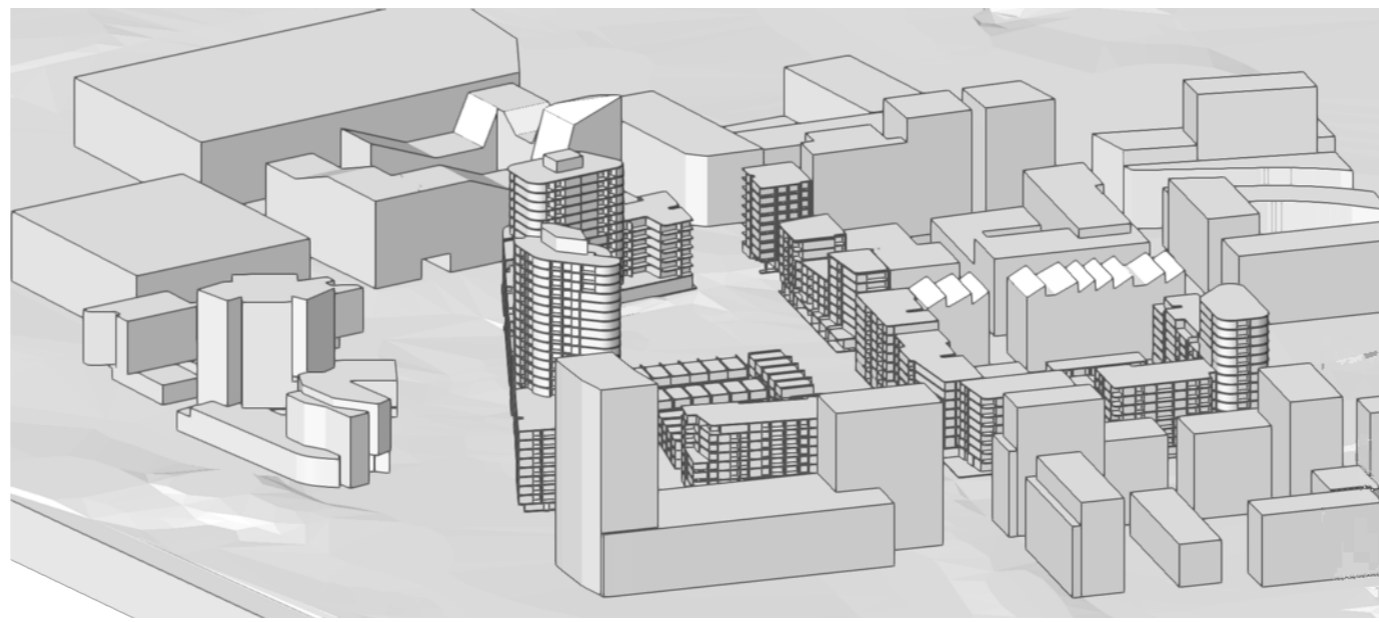
# **Attachment A6**

**Solar Studies**

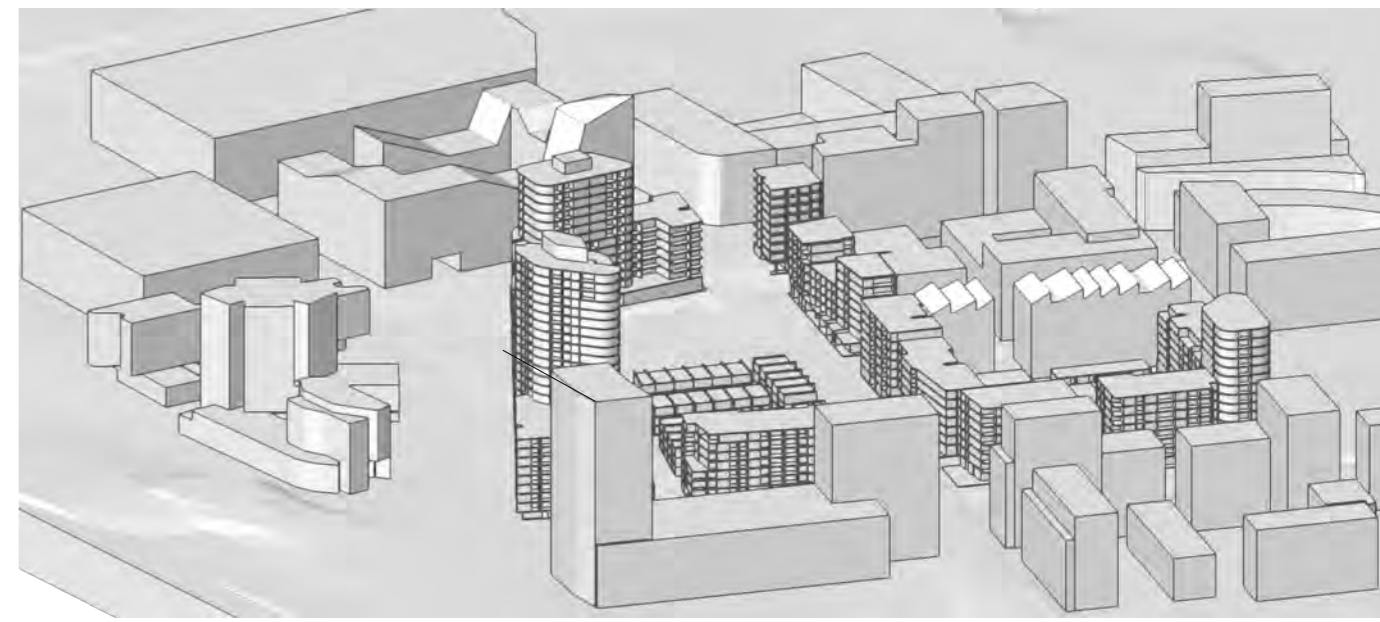




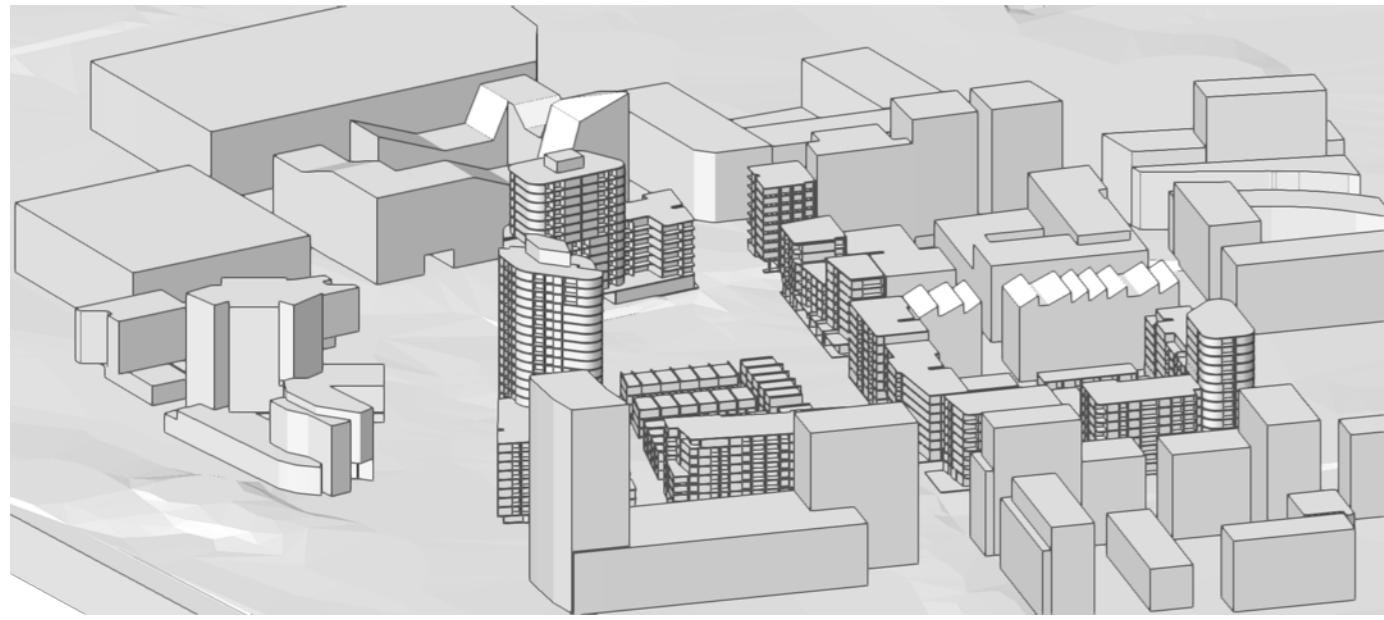
21/6 0900



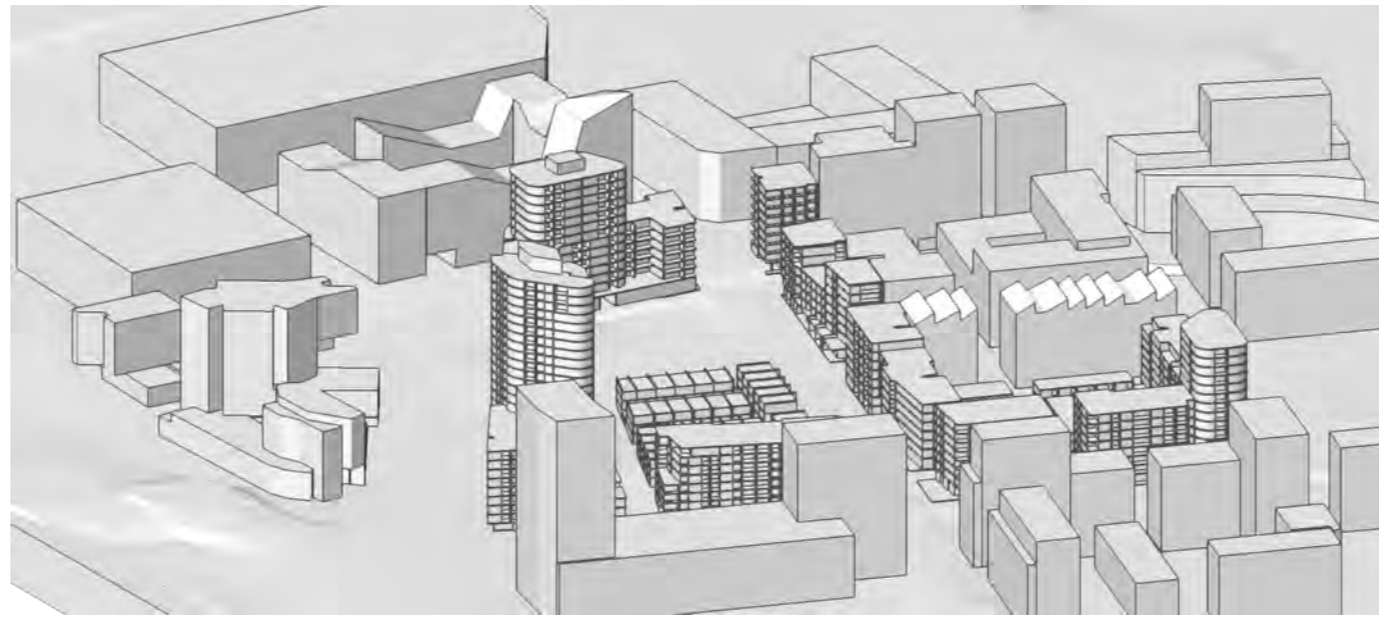
21/6 0905



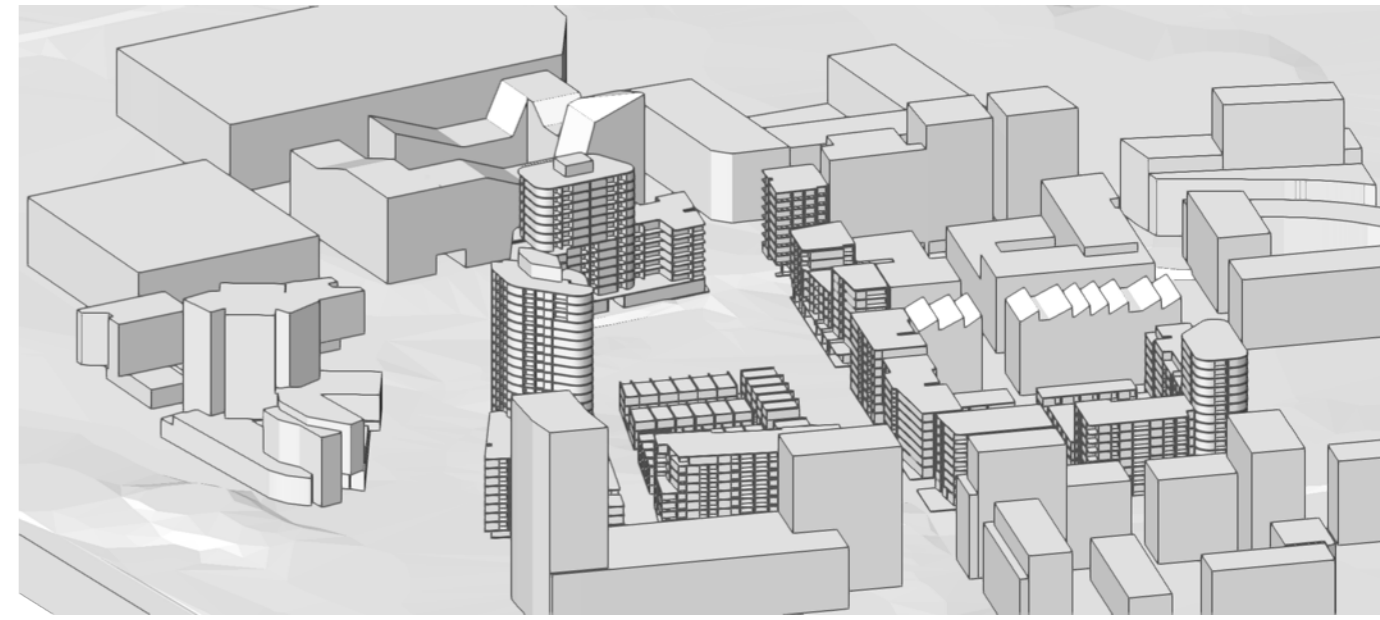
21/6 0910



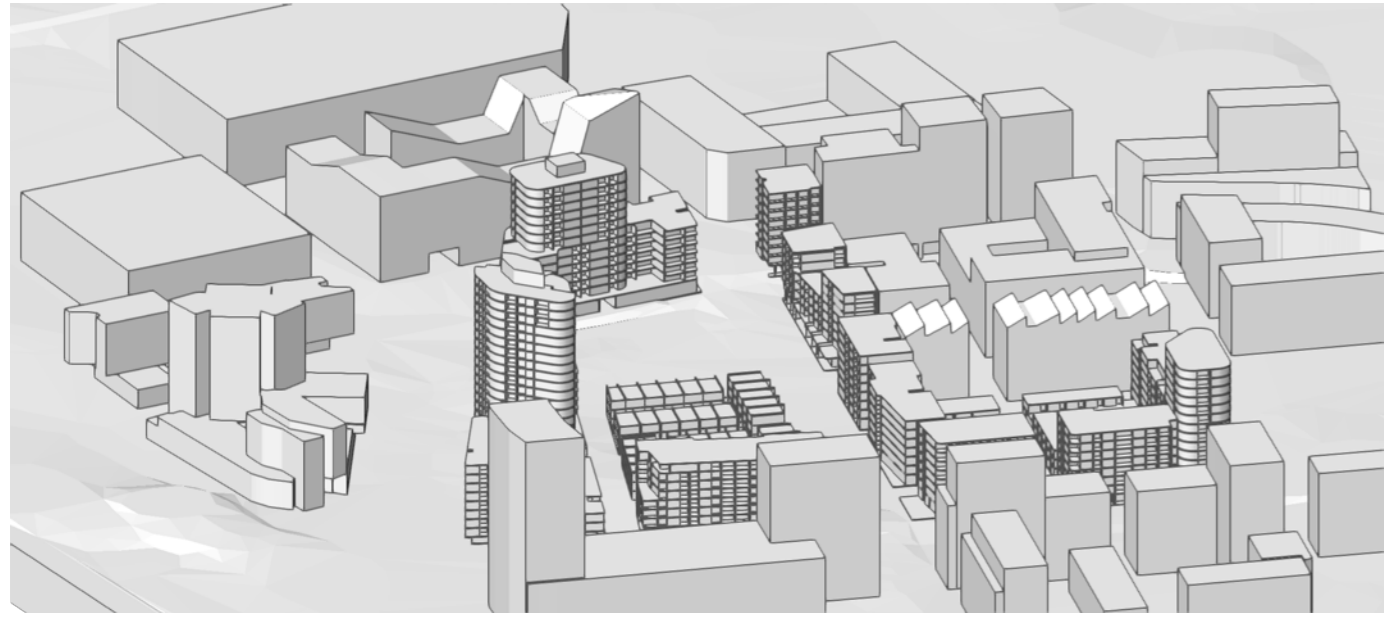
21/6 0915



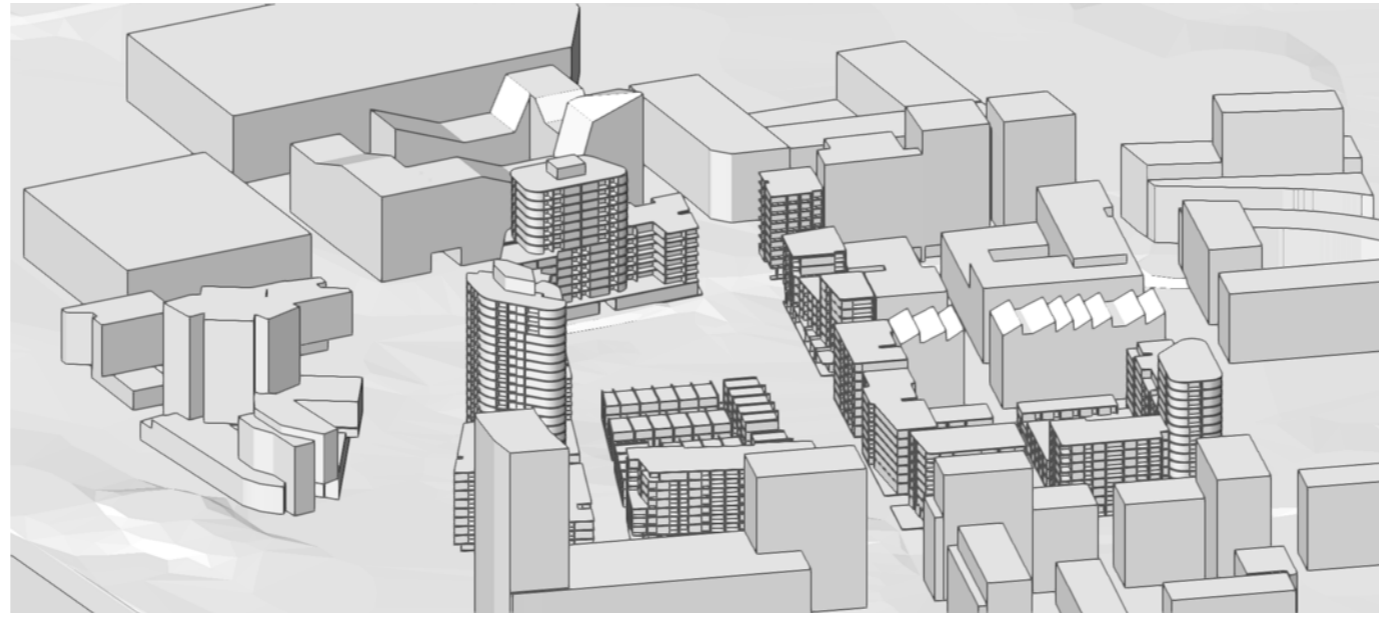
21/6 0920



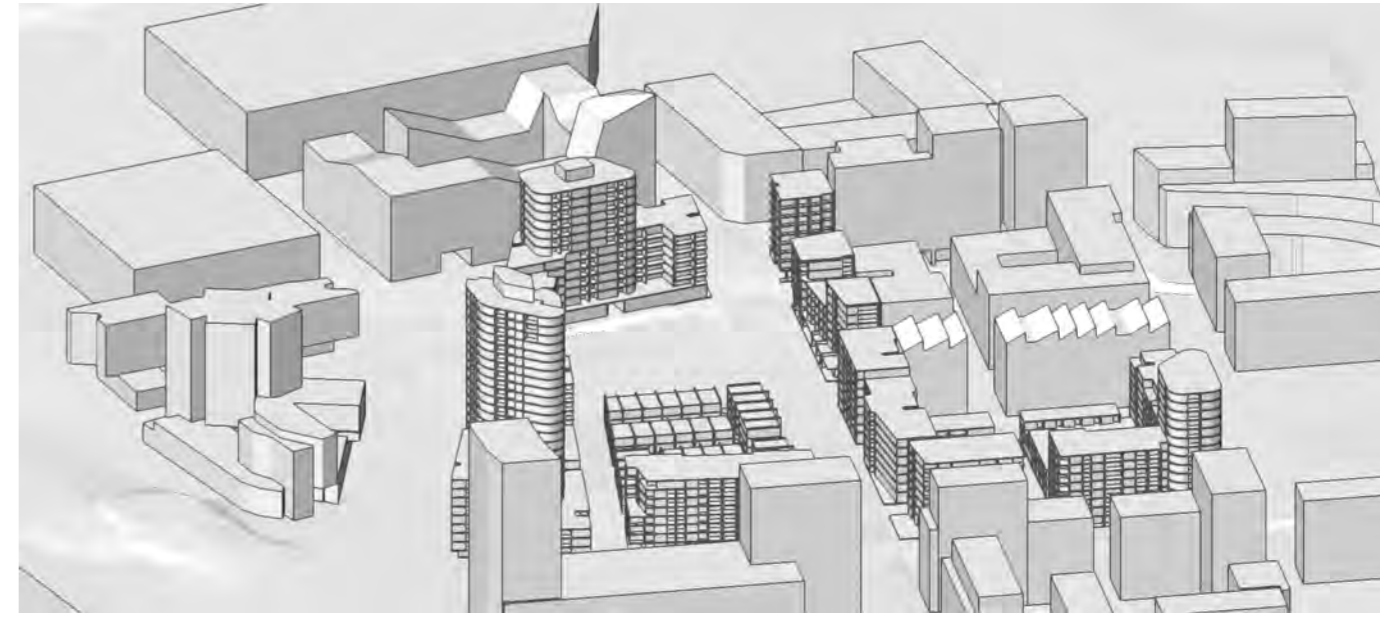
21/6 0925



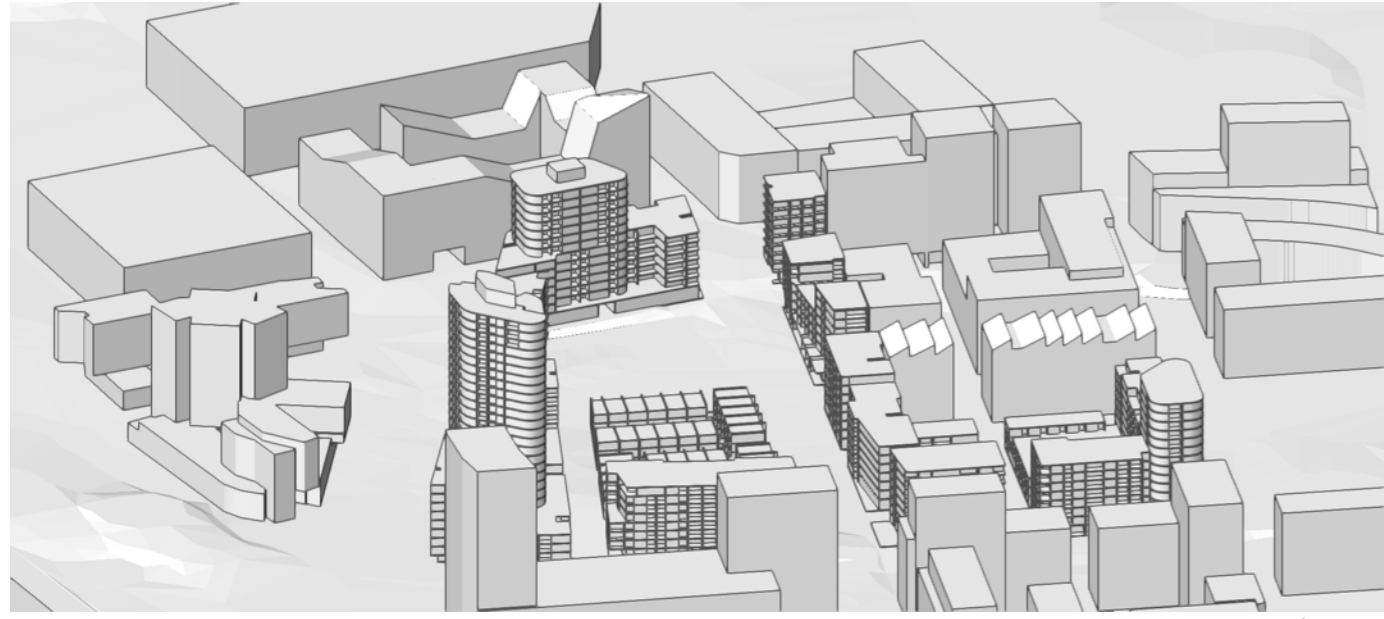
21/6 0930



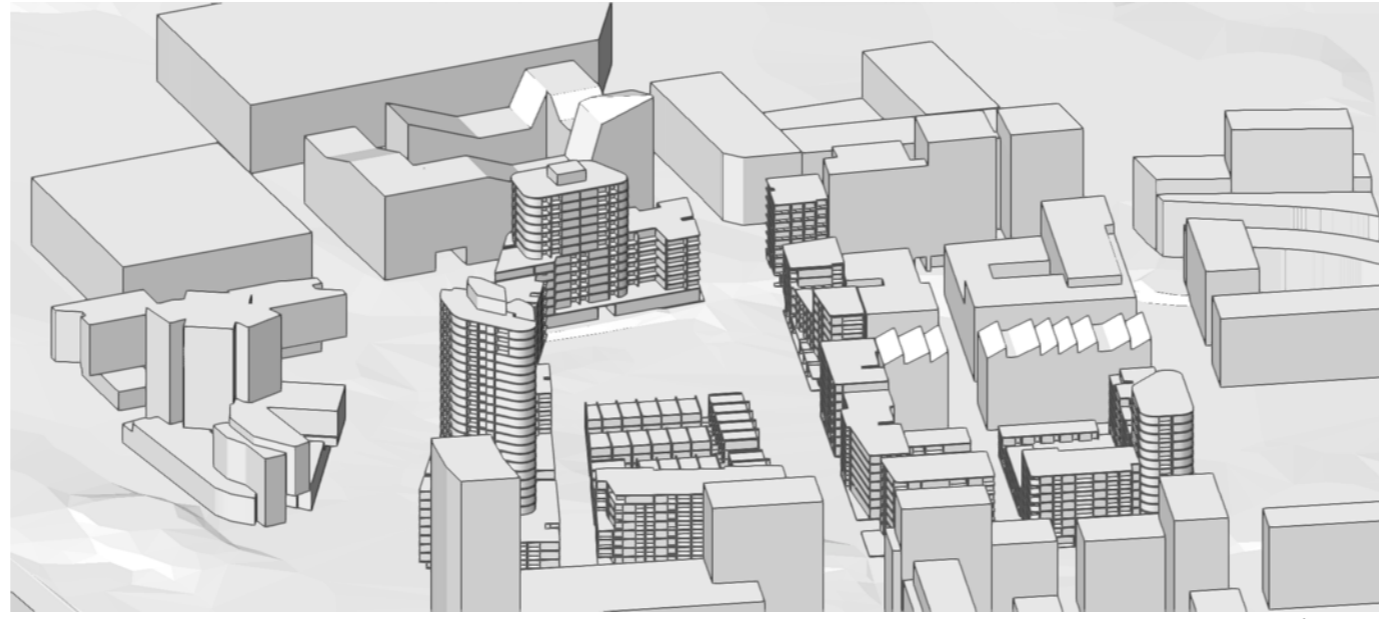
21/6 0935



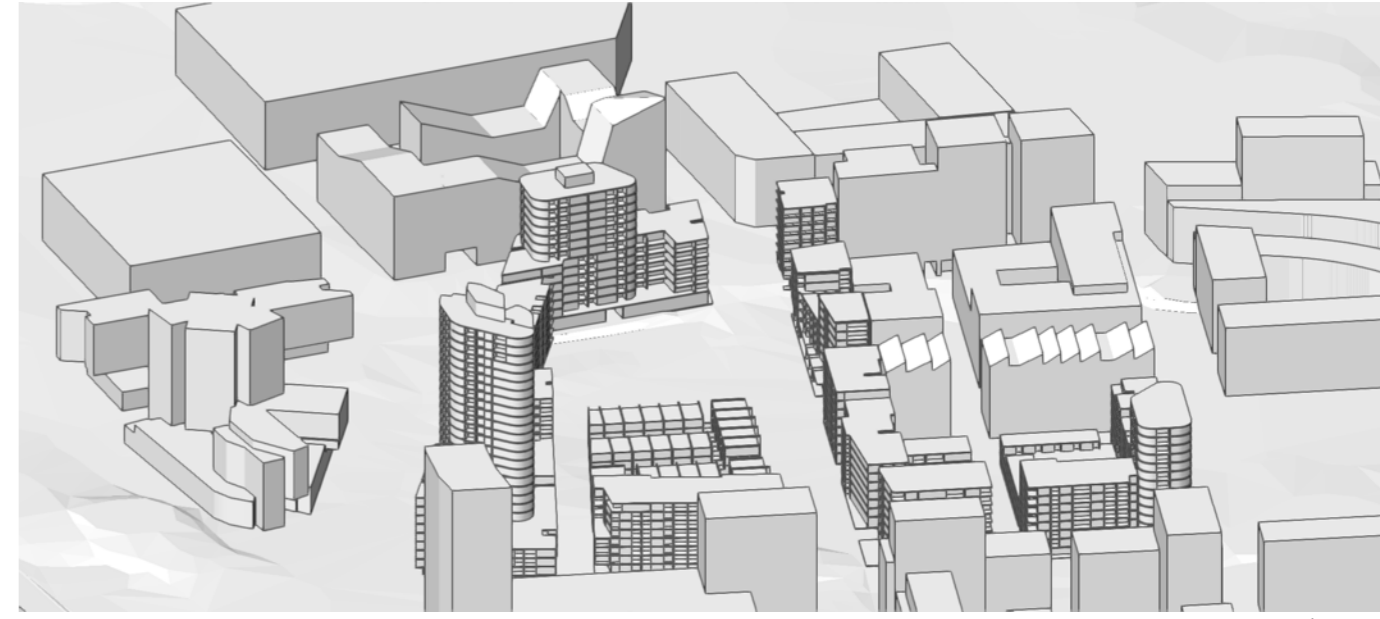
21/6 0940



21/6 0945

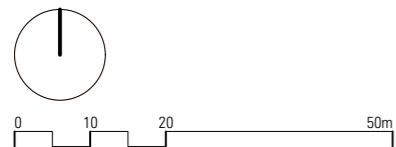


21/6 0950



21/6 0955

# VIEWS FROM SUN 0900-0955 2129 A 80000 A



SUITE 108  
59 MARLBOROUGH ST  
SURRY HILLS NSW 2010  
ARCH. REG. NO. 8886(NSW) 19020(VIC)  
WWW.MAKOARCHITECTURE.COM.AU

PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings  
to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

### LEGEND

REVISIONS  
A 11/7/2022 SUBMISSION 01

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx

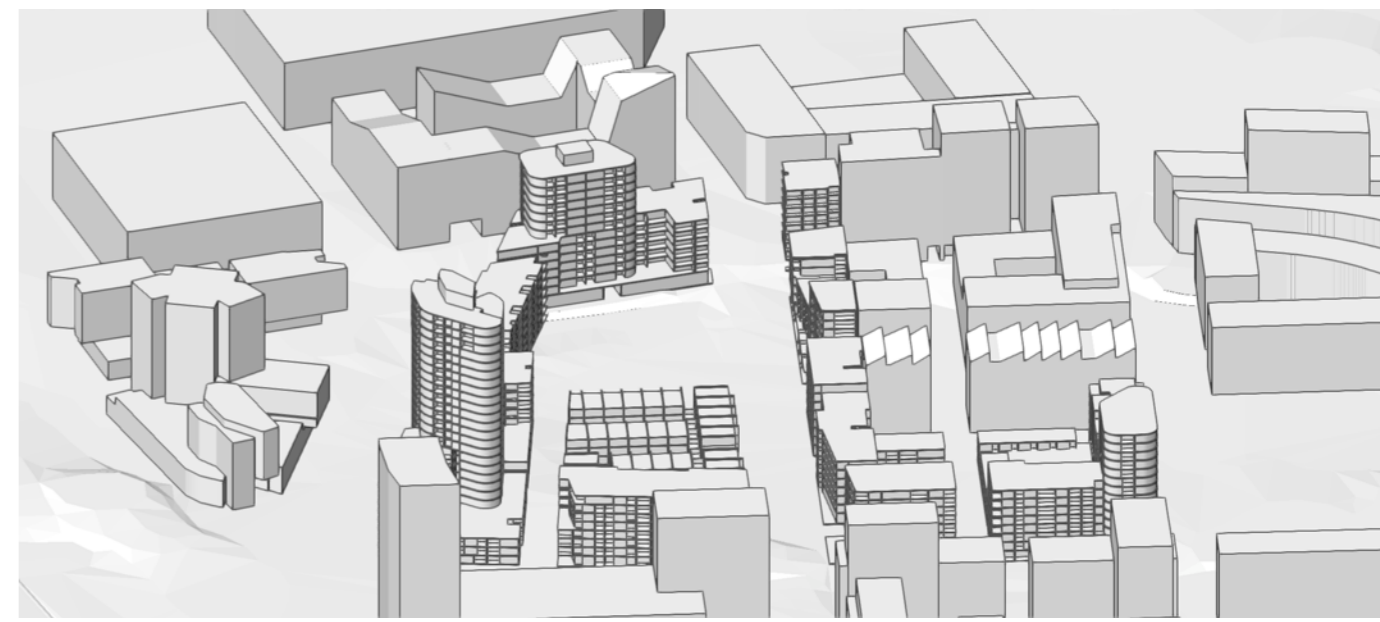




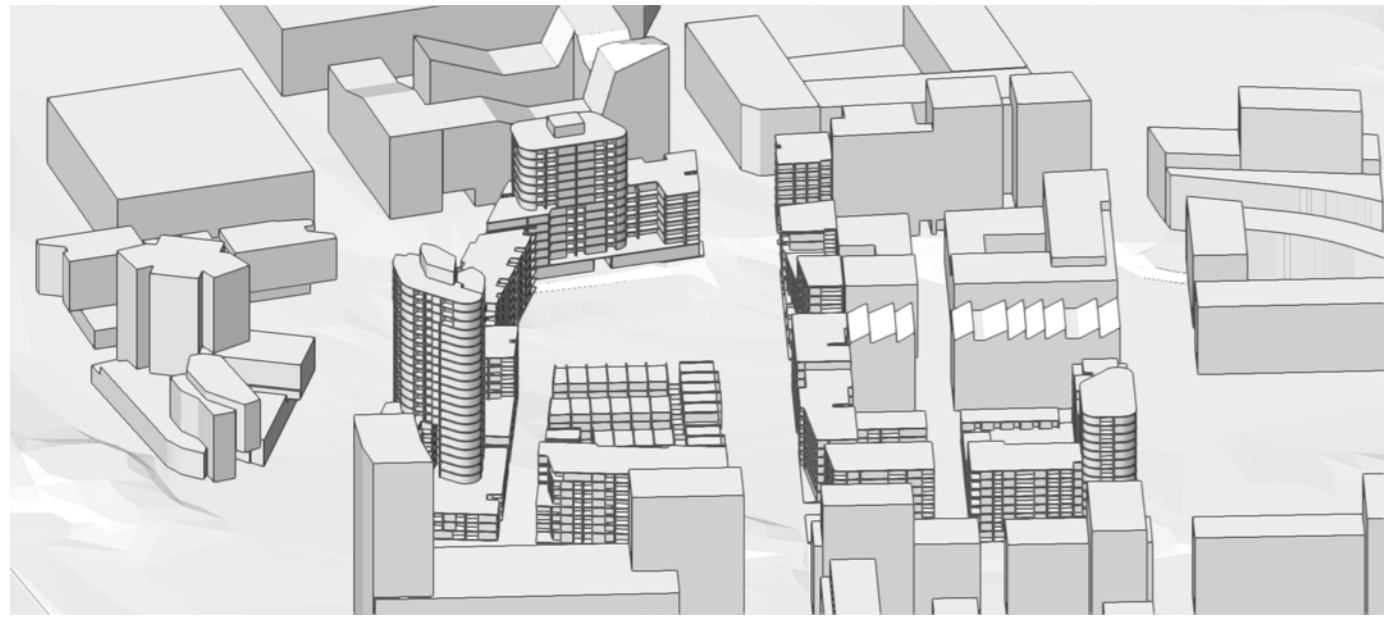
21/6 1000



21/6 1005



21/6 1010



21/6 1015



21/6 1020



21/6 1025



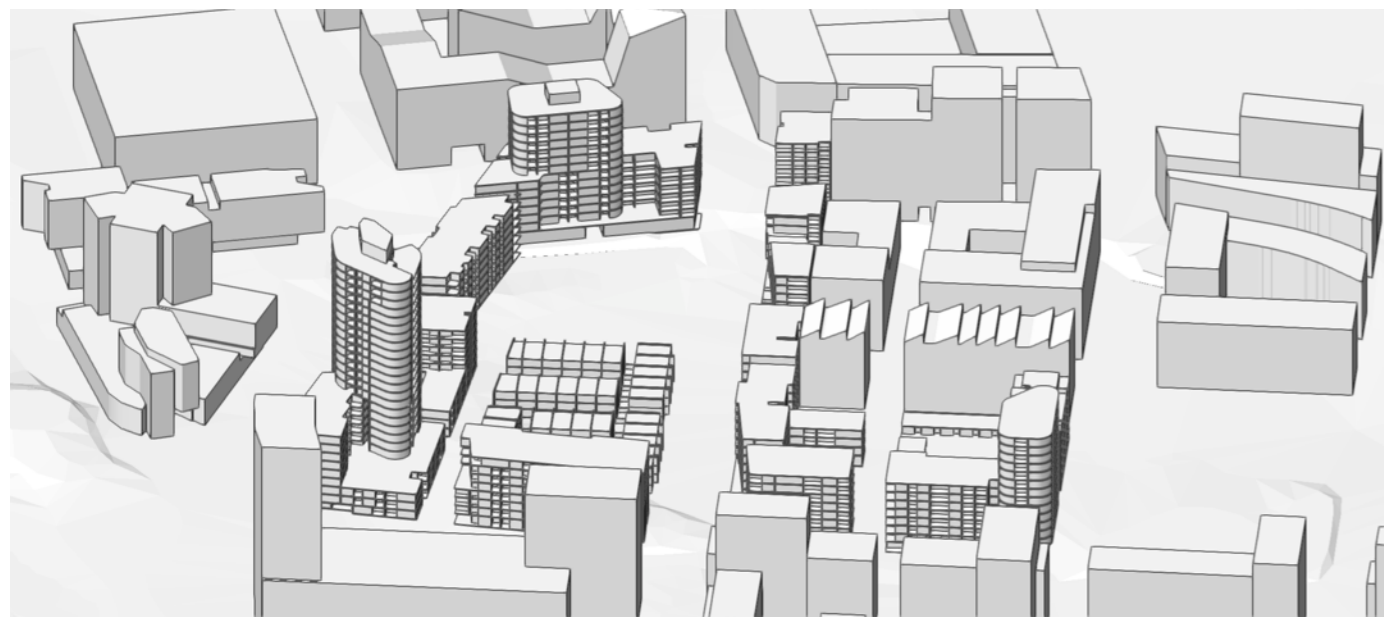
21/6 1030



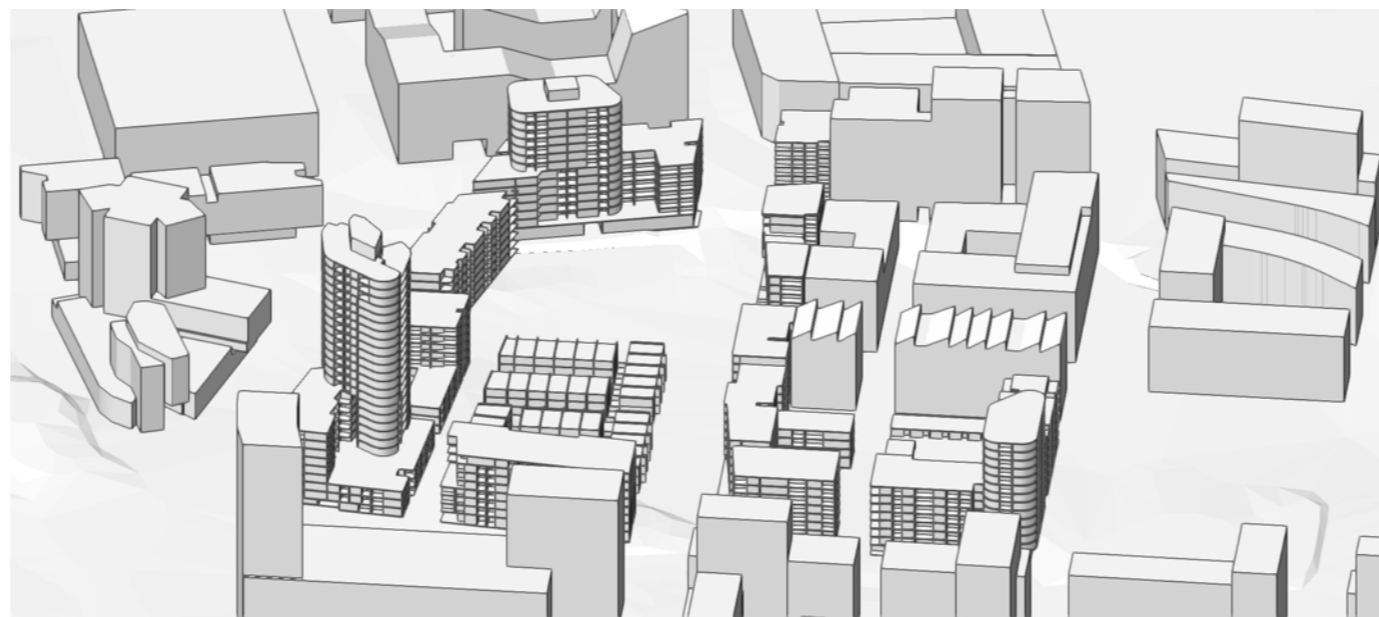
21/6 1035



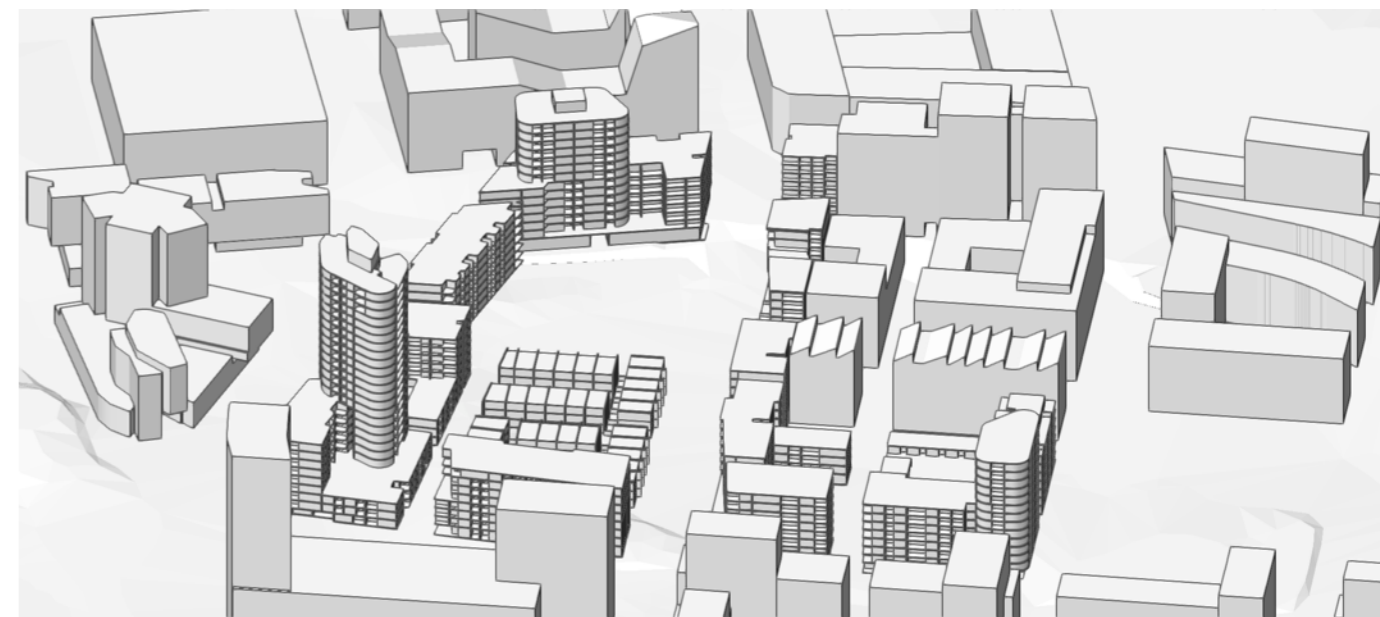
21/6 1040



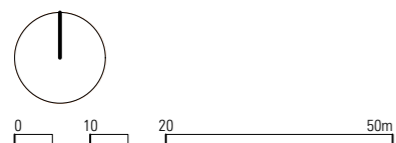
21/6 1045



21/6 1050



21/6 1055



PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings

to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

LEGEND

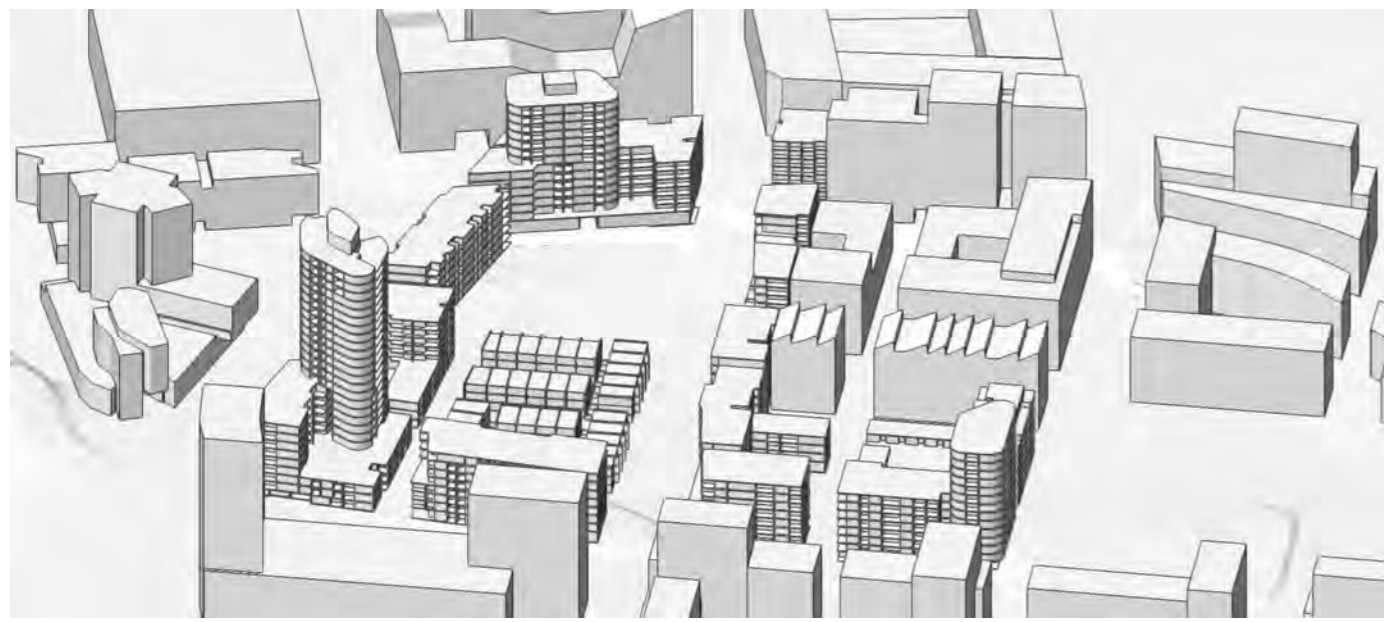
REVISIONS  
A 11/7/2022 SUBMISSION 01

VIEWS FROM SUN 1000-1055

2129A 80001 A

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx

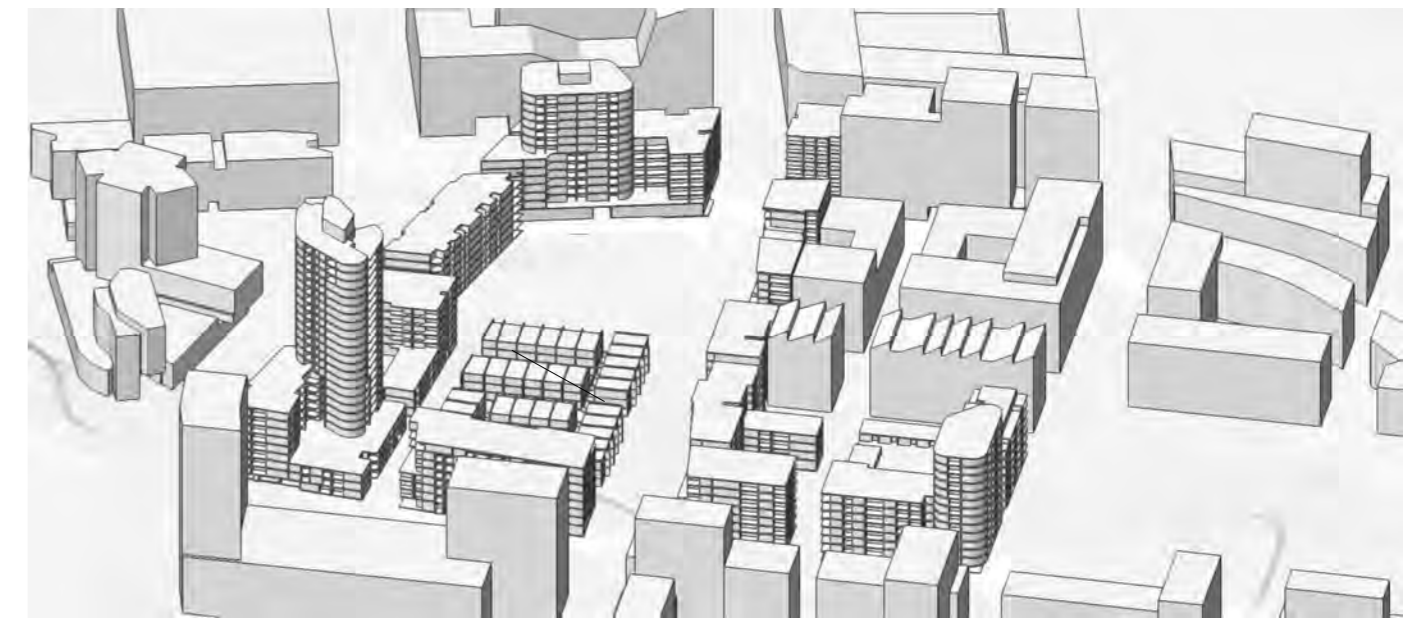




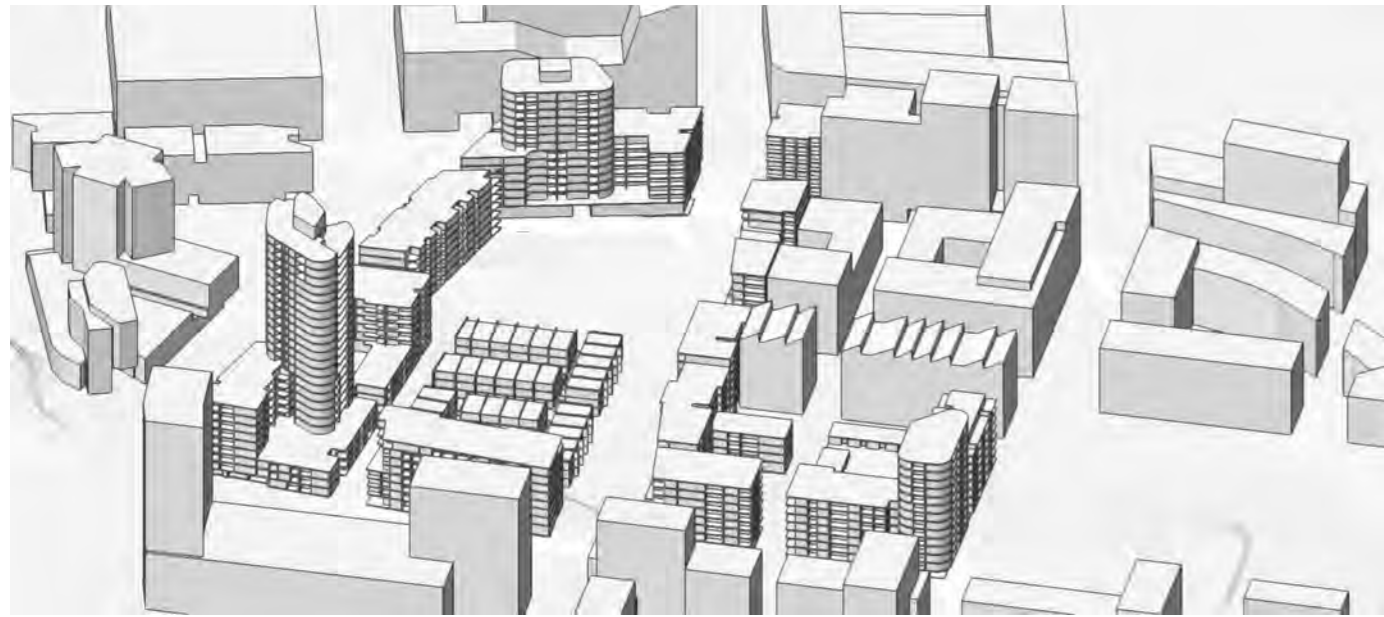
21/6 1100



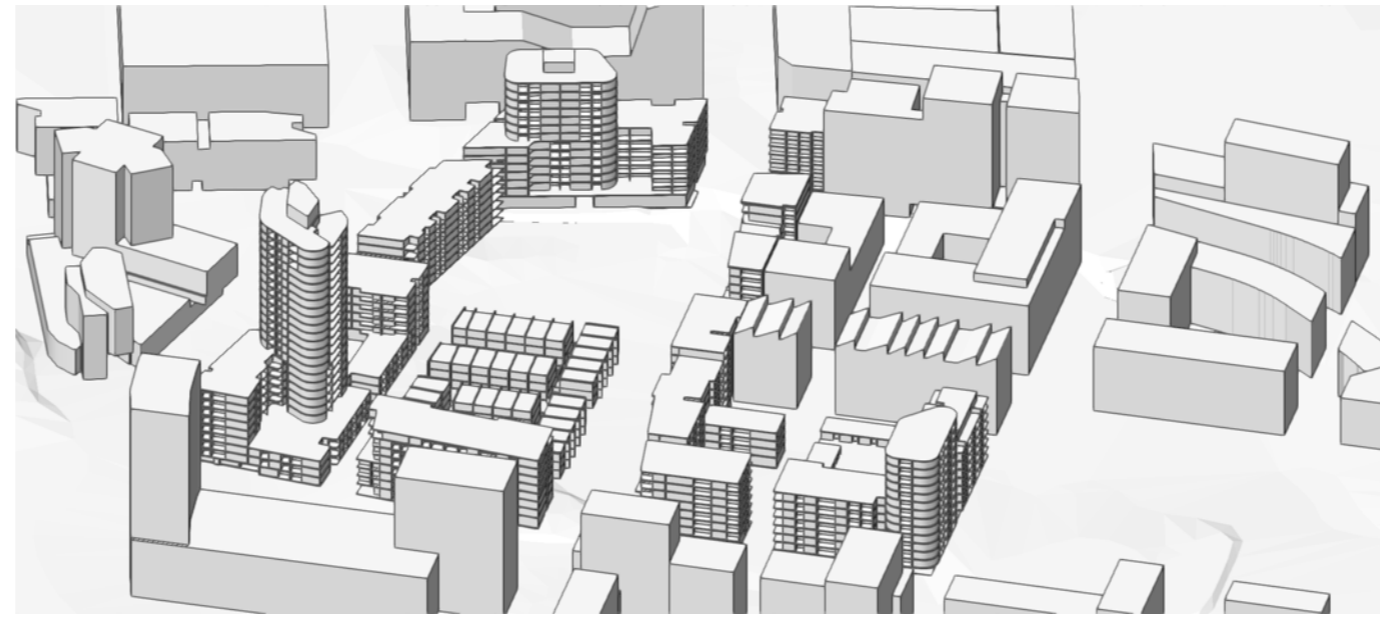
21/6 1105



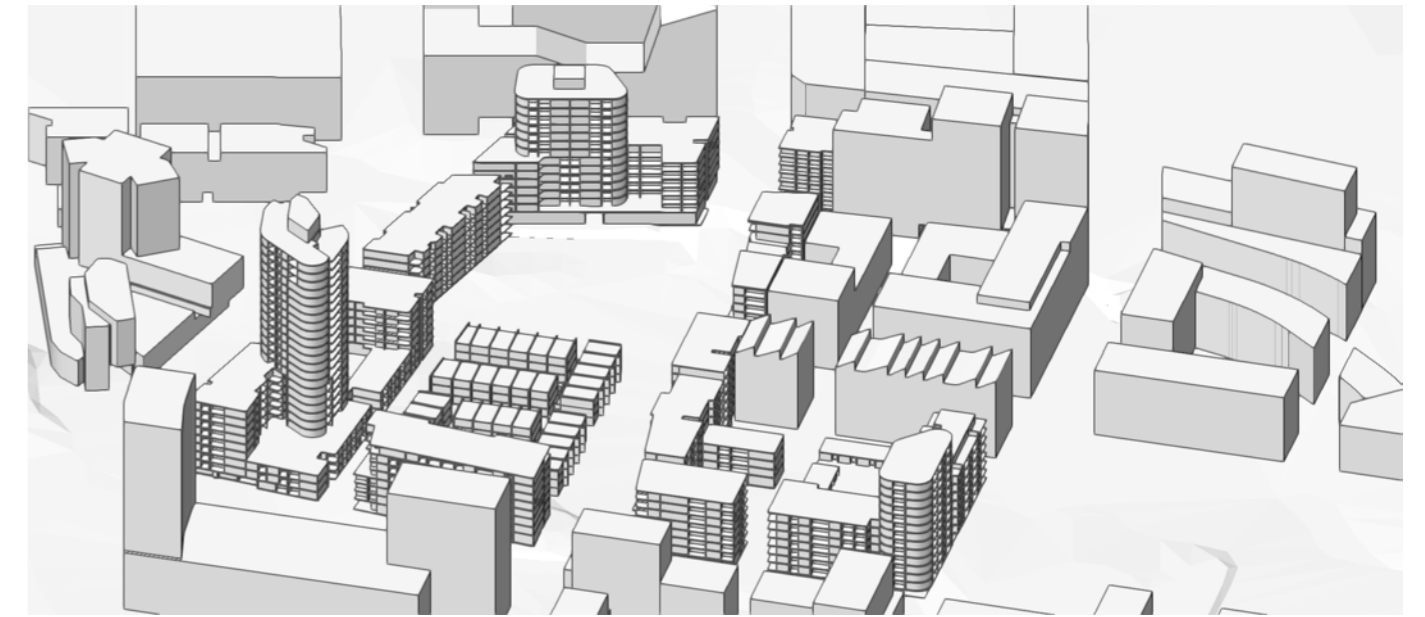
21/6 1110



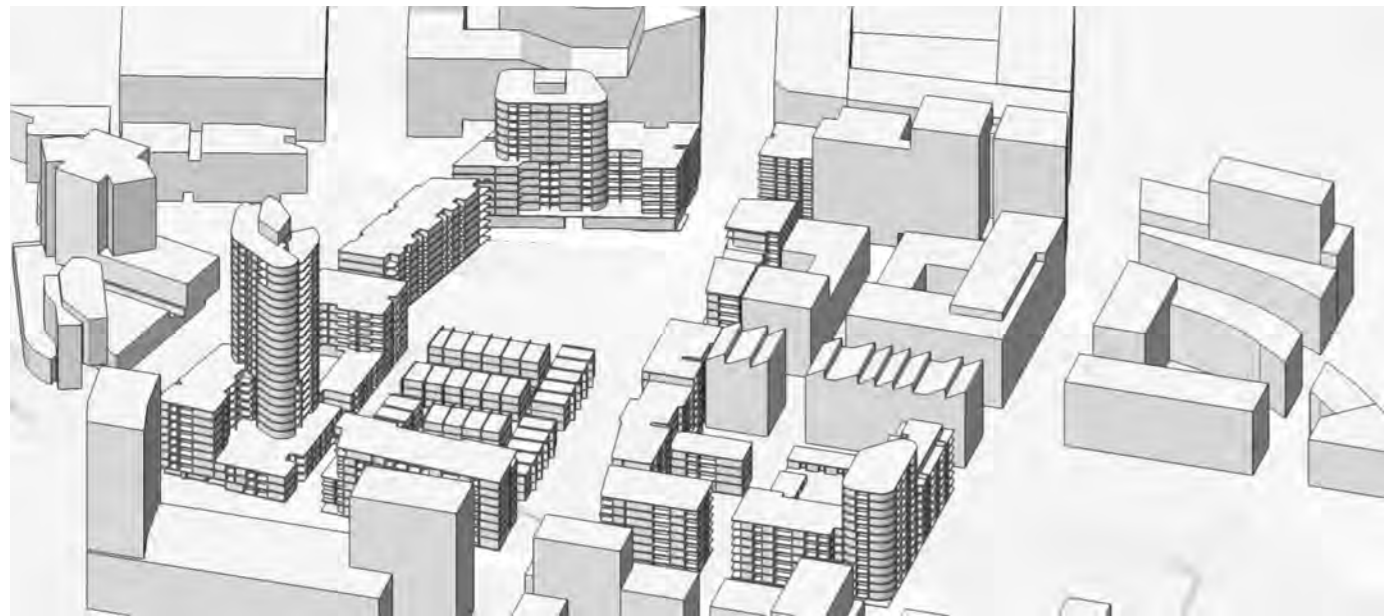
21/6 1115



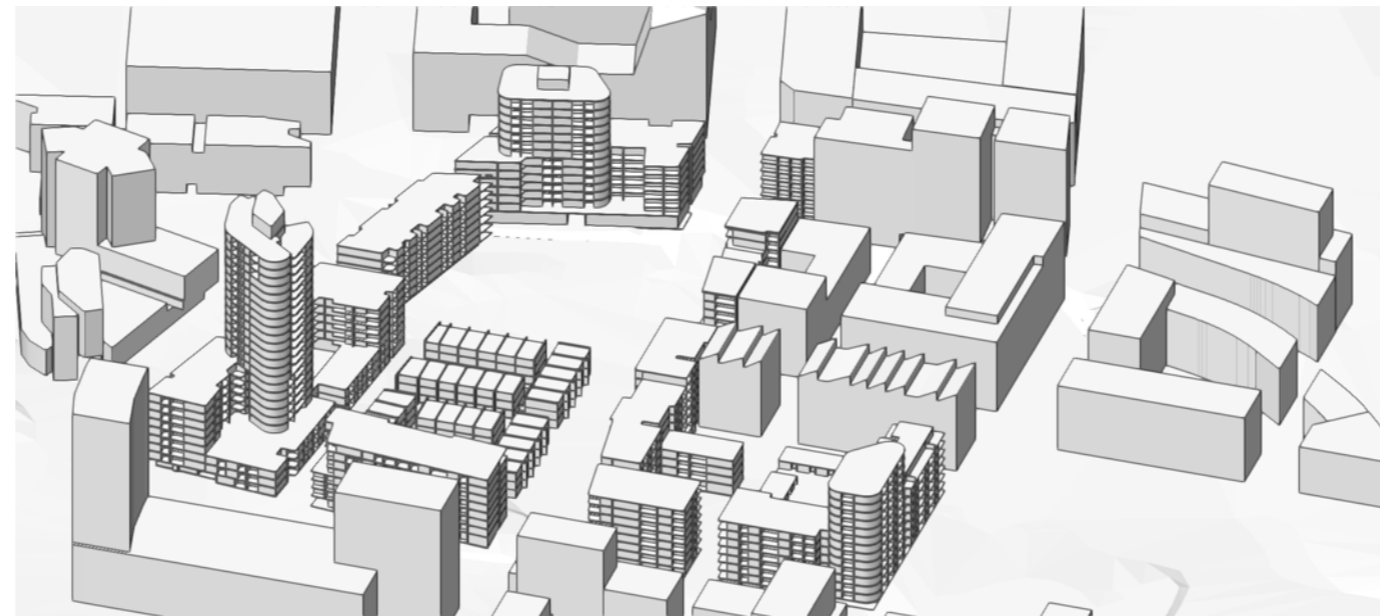
21/6 1120



21/6 1125



21/6 1130



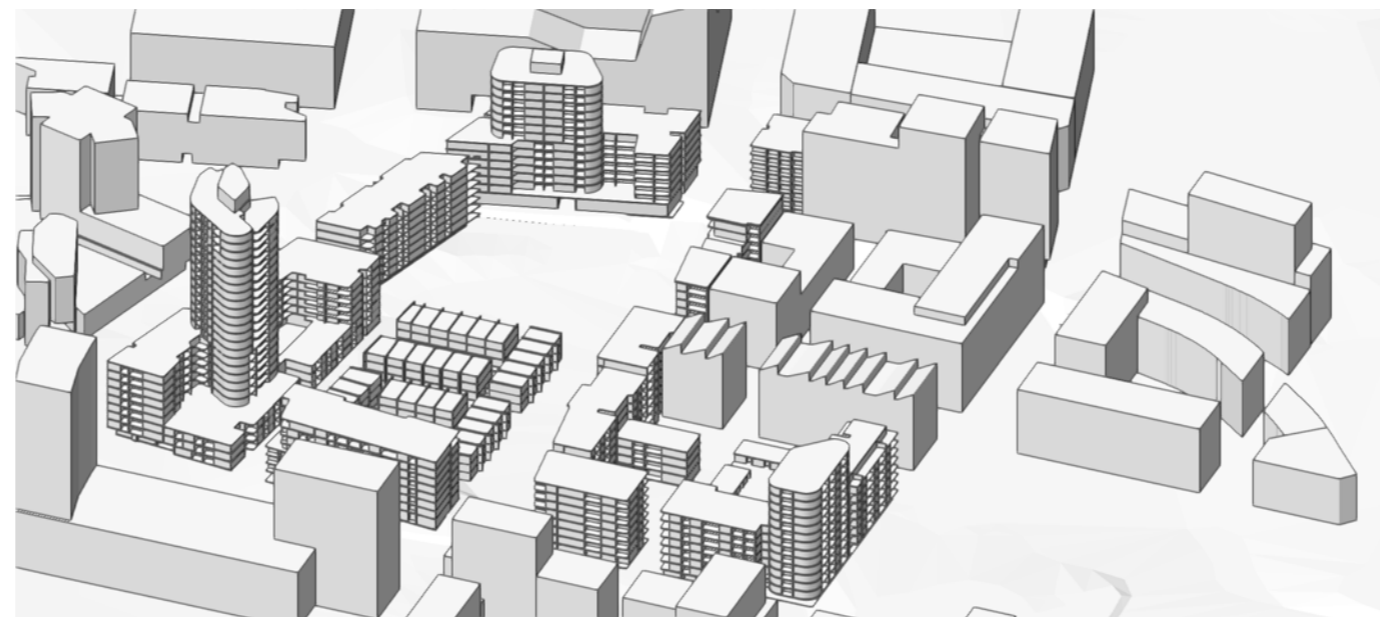
21/6 1135



21/6 1140



21/6 1145



21/6 1150



21/6 1155



0 10 20 50m

PROJECT DETAILS

SUTTON SITE  
ZETLAND

MERITON

STUDIO 5 LEVEL 1 BAILEYS ARCADE  
131-157 LONDON CIRCUIT  
CANBERRA CITY 2601

2569[ACT]

SUITE 108  
59 MARLBOROUGH ST  
SURRY HILLS NSW 2010

ARCH. REG. NO. 8886[NSW] 19020[VIC]  
WWW.MAKOARCHITECTURE.COM.AU

NOTES

all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings

to be read in conjunction with the complete  
documentation package including, but not limited  
to, all consultant drawings, specifications, reports  
and consent conditions  
report all discrepancies to the project manager

LEGEND

REVISIONS

A 11/7/2022 SUBMISSION 01

VIEWS FROM SUN 1100-1155

2129A 80002 A

REFERENCE DESIGN  
DATE  
11/7/2022

STATUS

2129\_3D\_SOLAR STUDIES.vwx





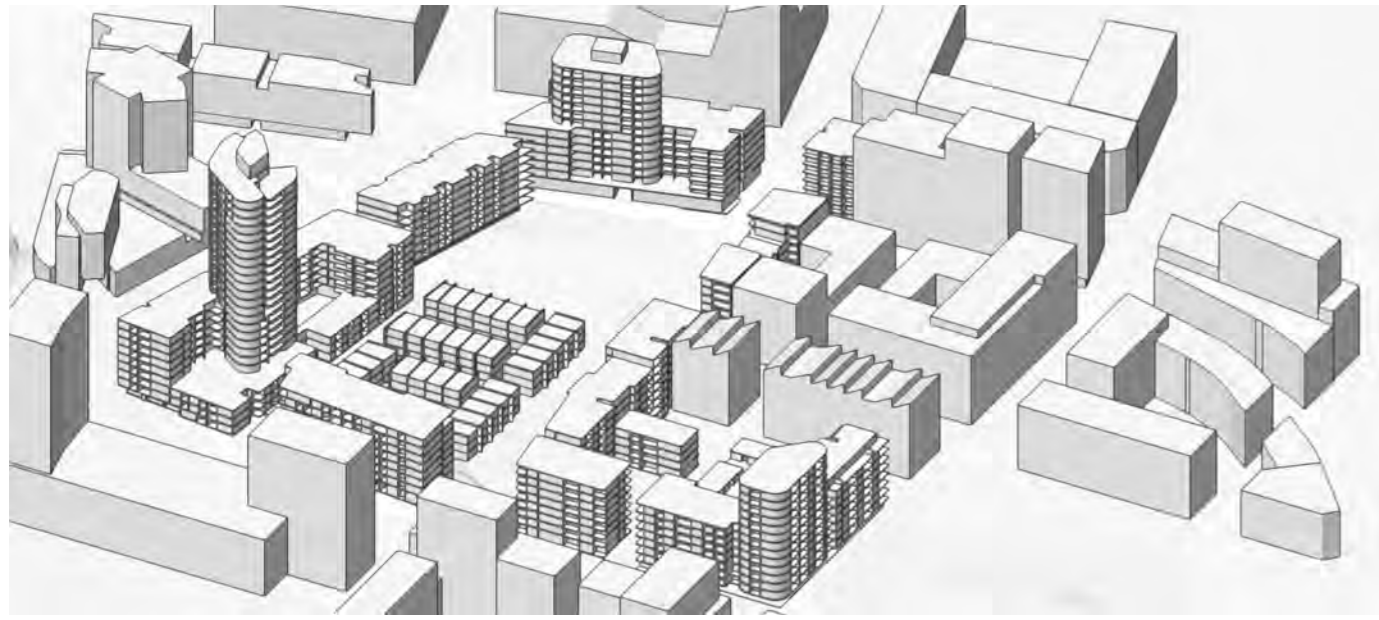
21/6 1200



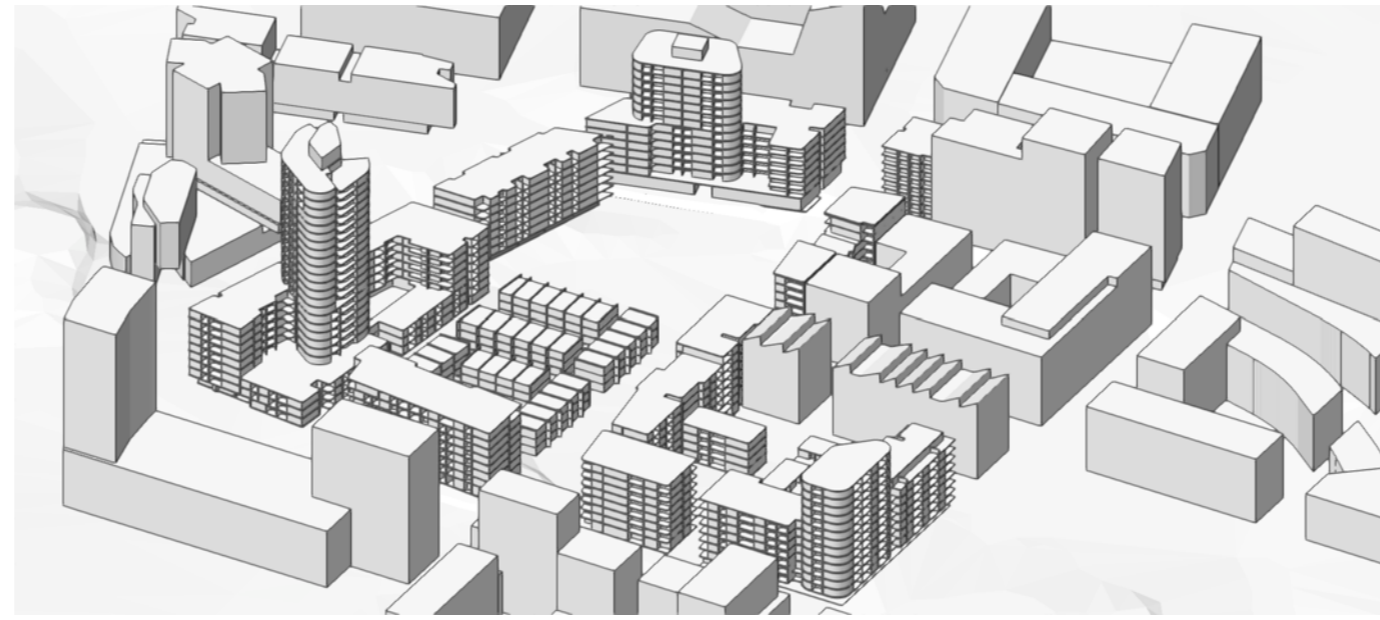
21/6 1205



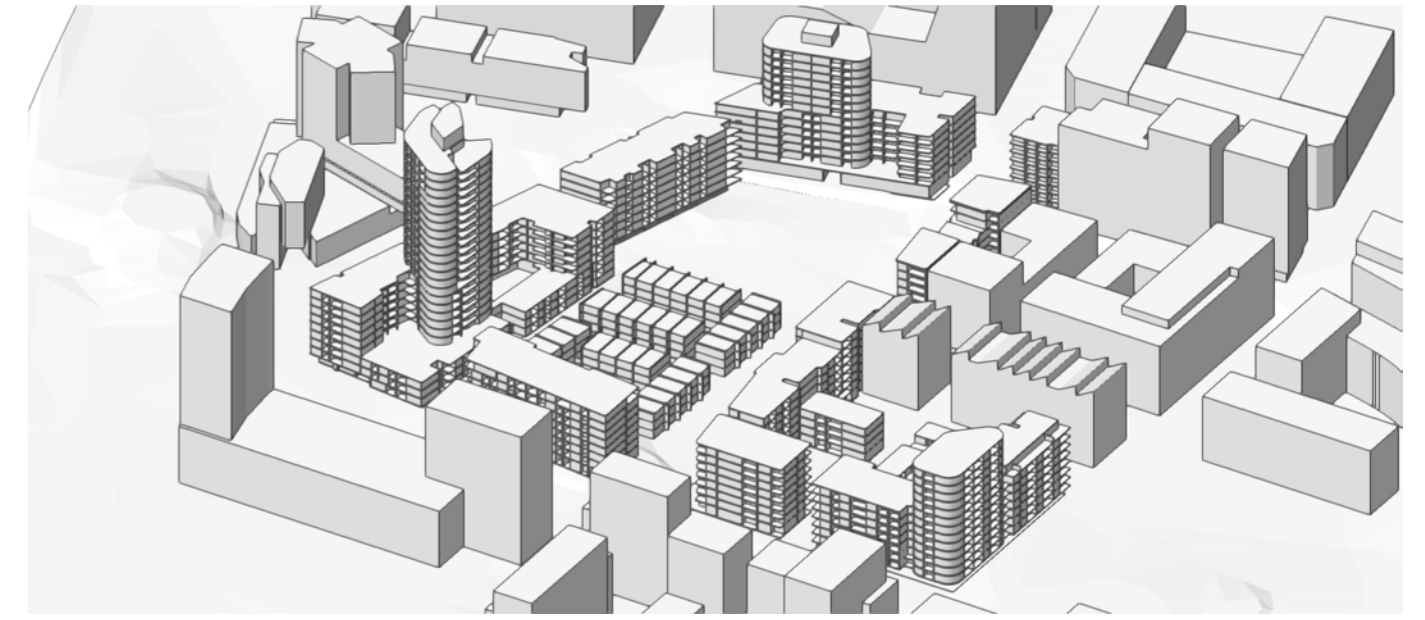
21/6 1210



21/6 1215



21/6 1220



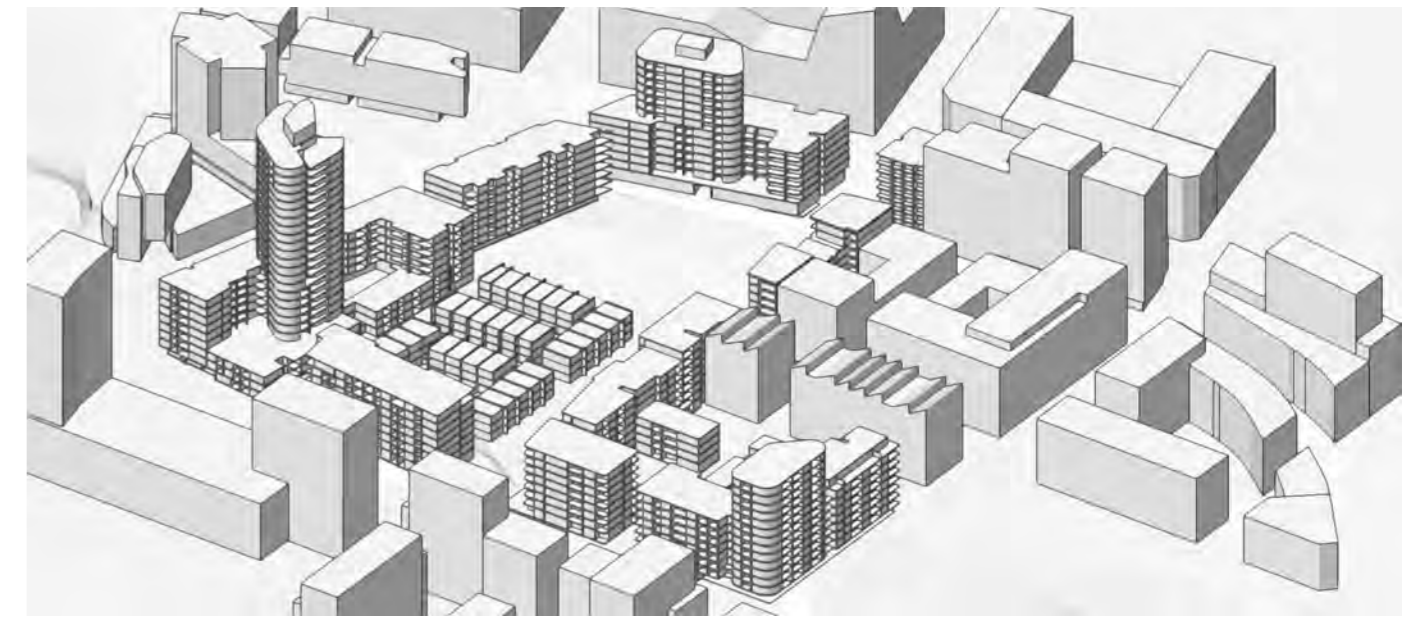
21/6 1225



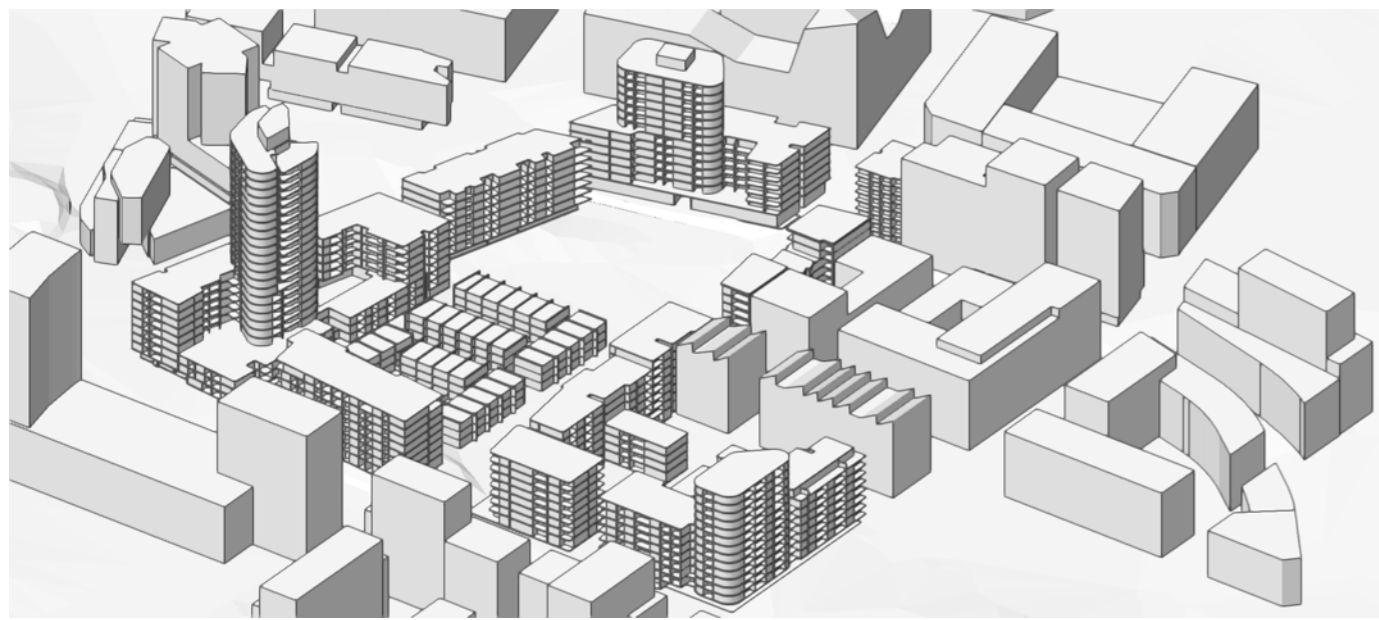
21/6 1230



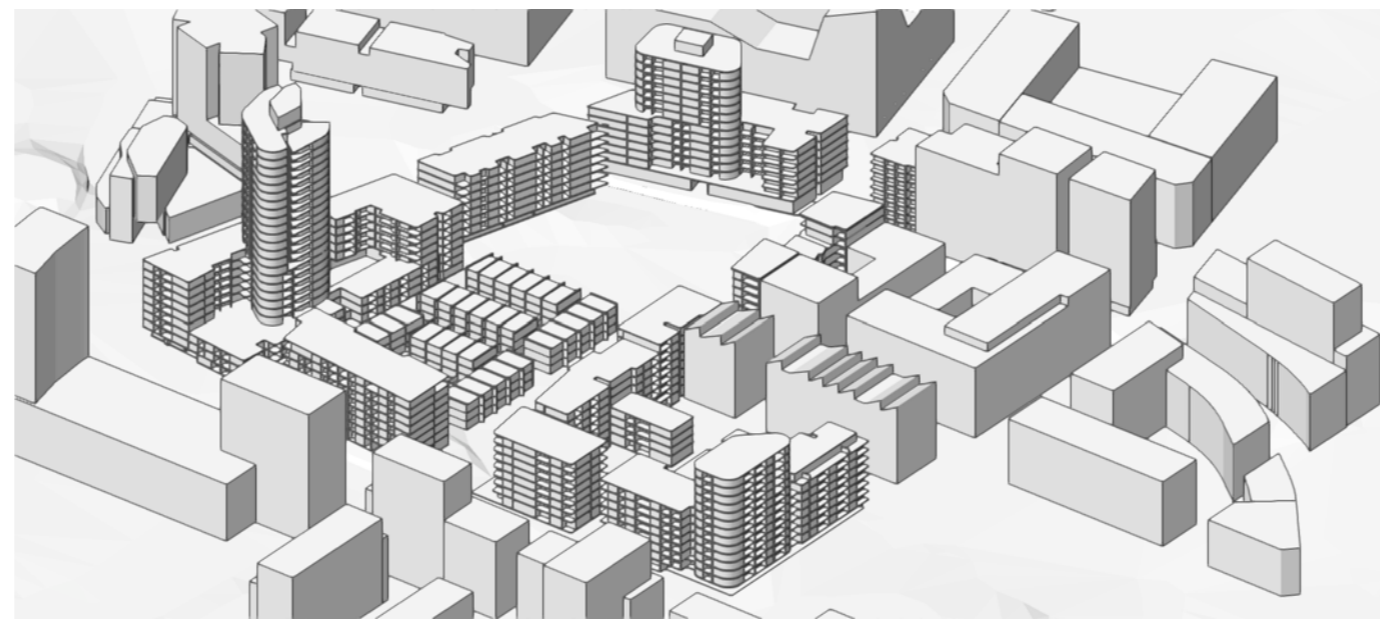
21/6 1235



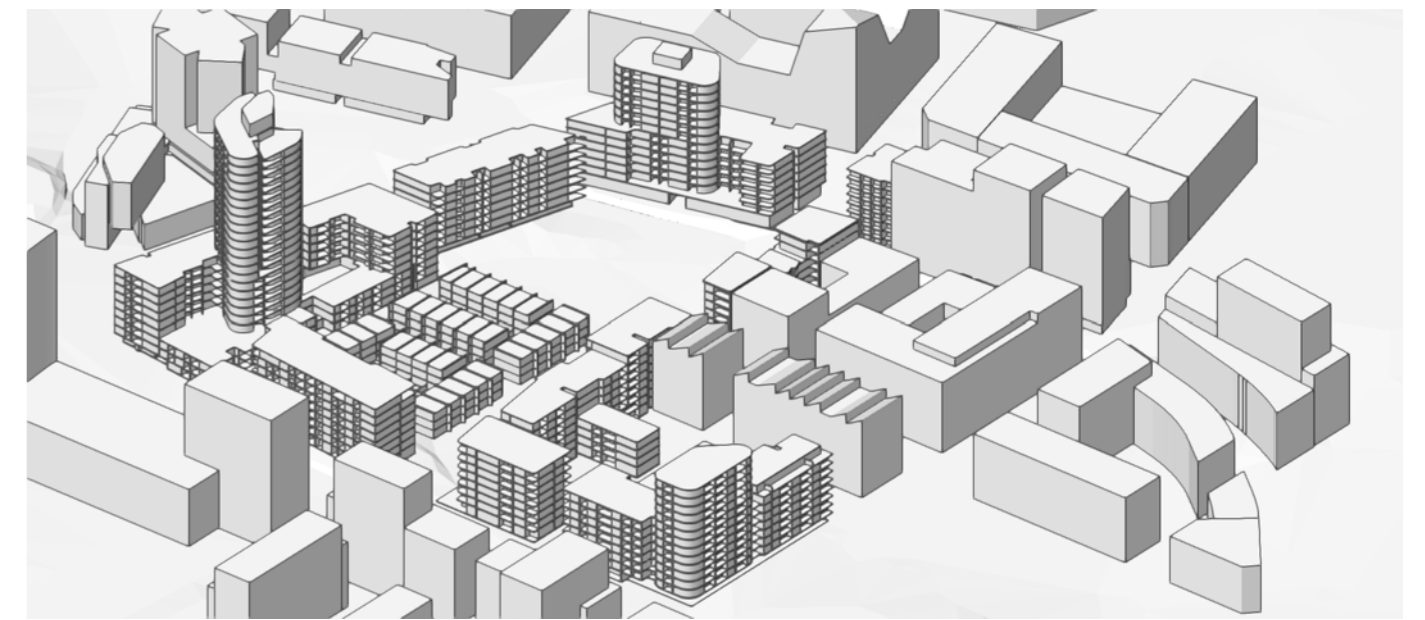
21/6 1240



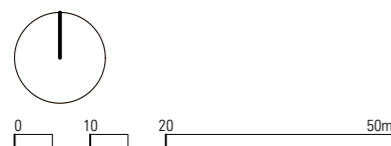
21/6 1245



21/6 1250



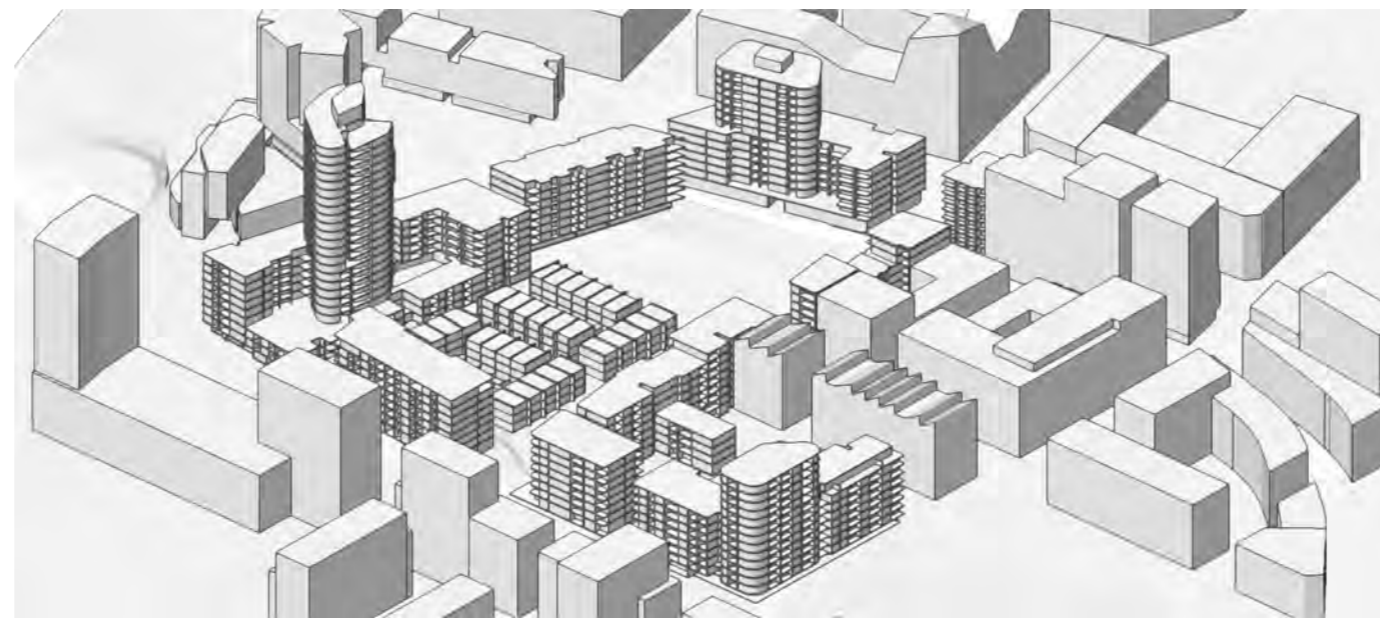
21/6 1255







21/6 1300



21/6 1305



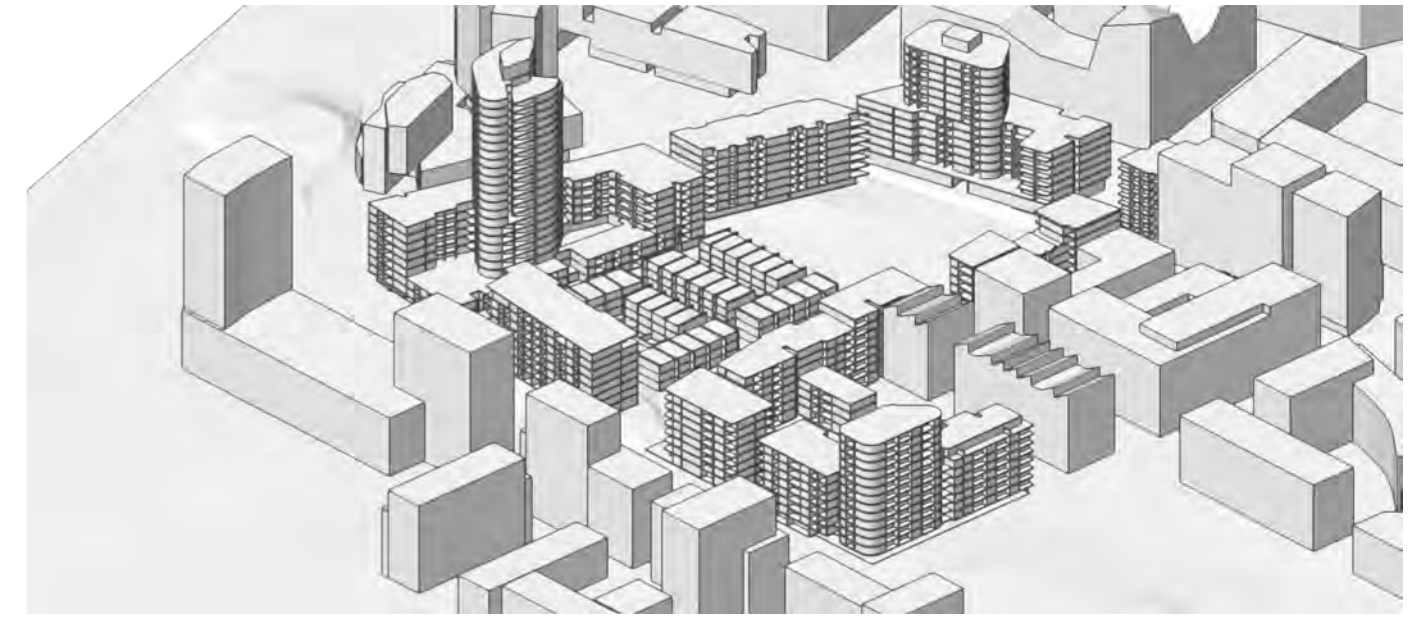
21/6 1310



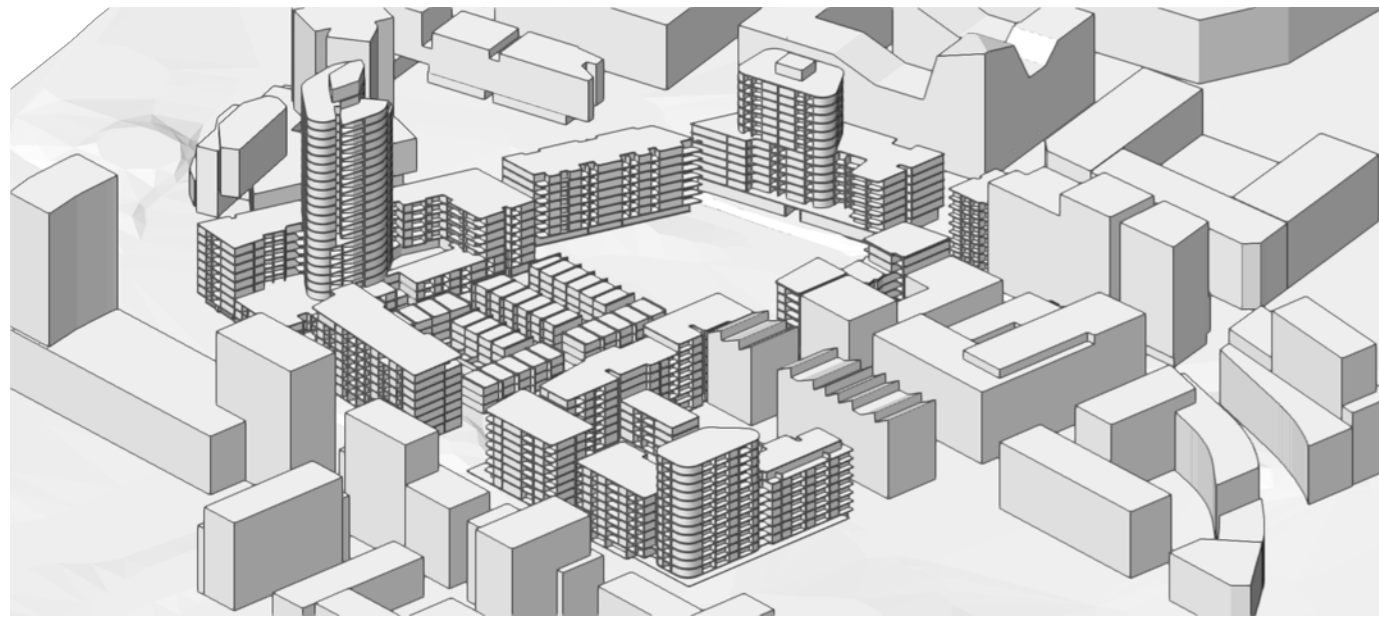
21/6 1315



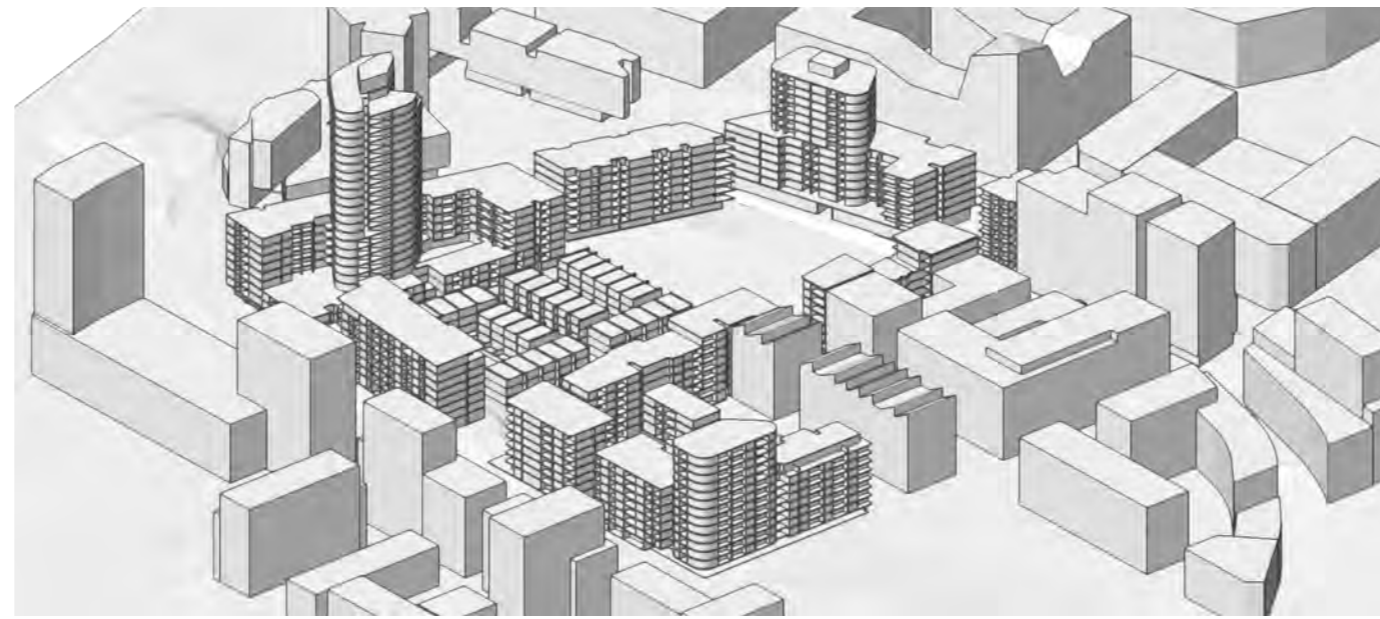
21/6 1320



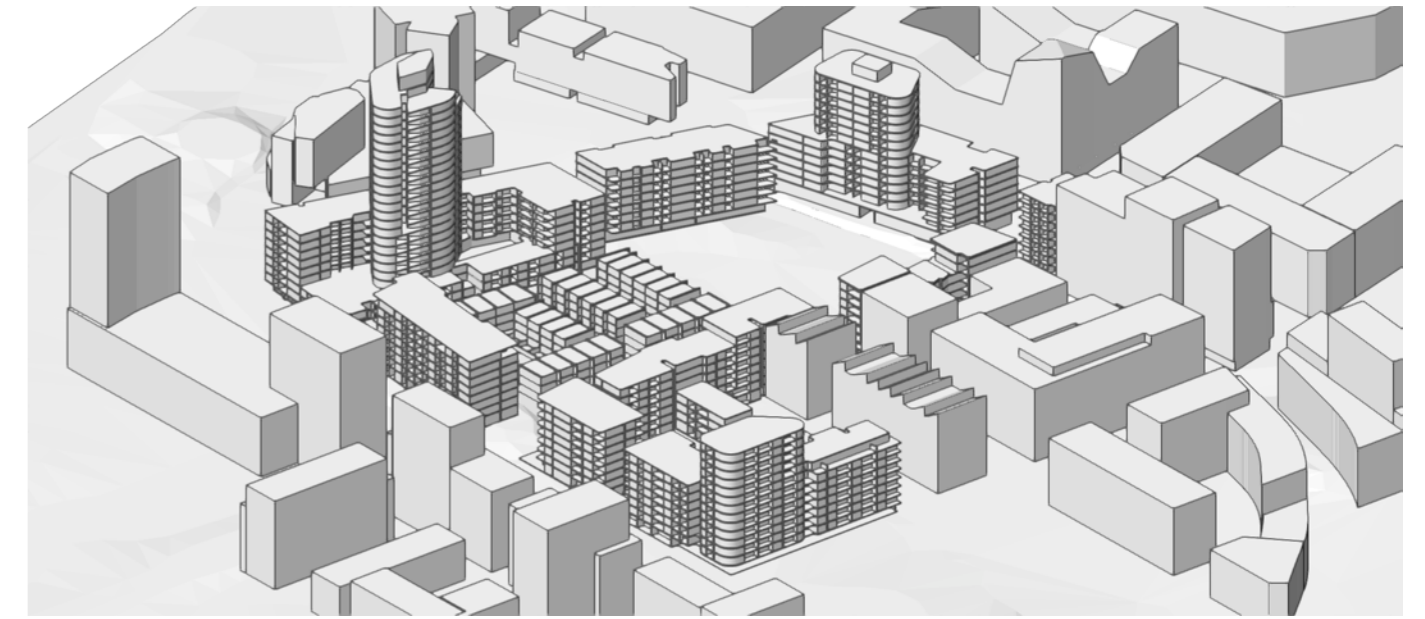
21/6 1325



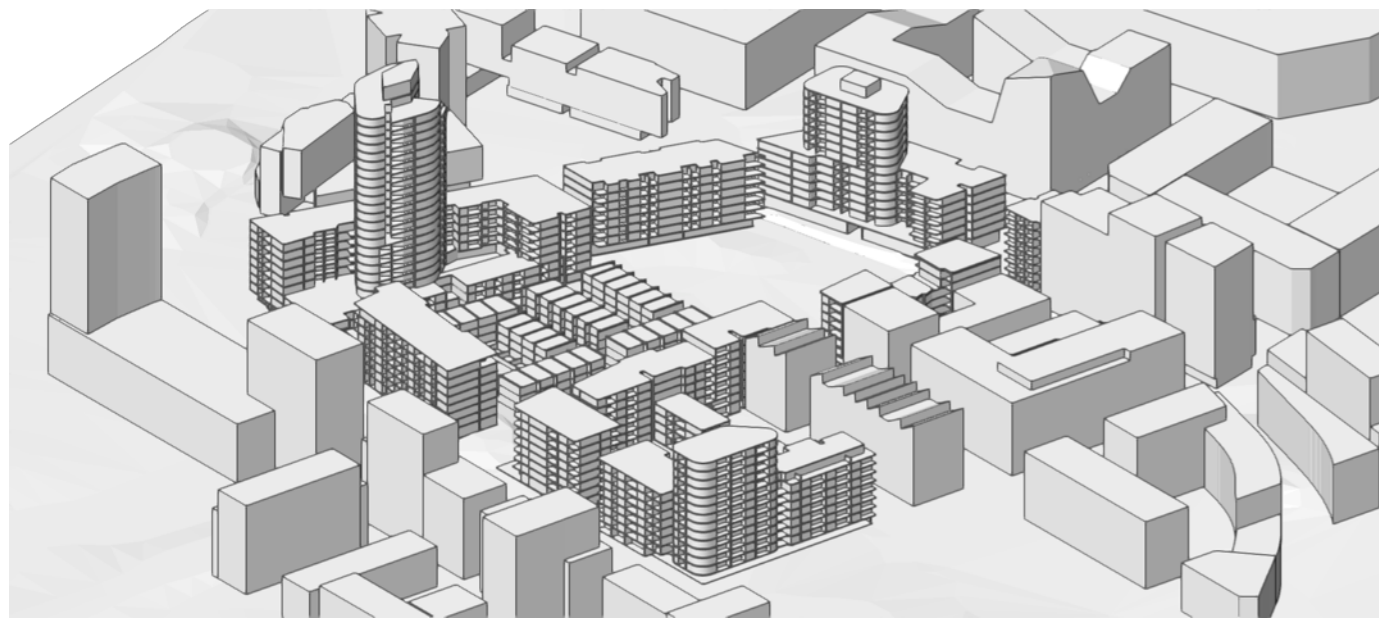
21/6 1330



21/6 1335



21/6 1340



21/6 1345



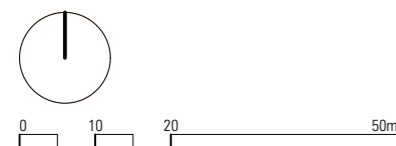
21/6 1350



21/6 1355

# VIEWS FROM SUN 1300-1355

## 2129 A 80004 A



SUITE 108  
59 MARLBOROUGH ST  
SURRY HILLS NSW 2010  
ARCH. REG. NO. 8886[NSW] 19020[VIC]  
WWW.MAKOARCHITECTURE.COM.AU

PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings  
to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

### LEGEND

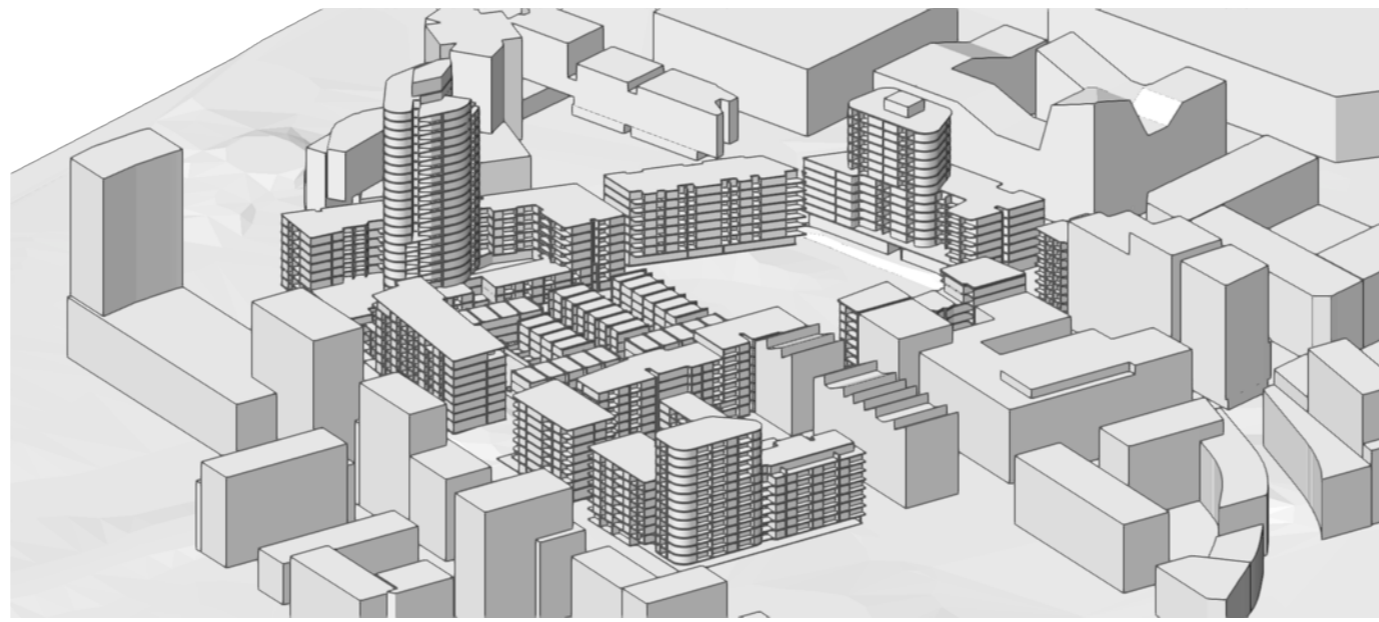
REVISIONS  
A 11/7/2022 SUBMISSION 01

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx

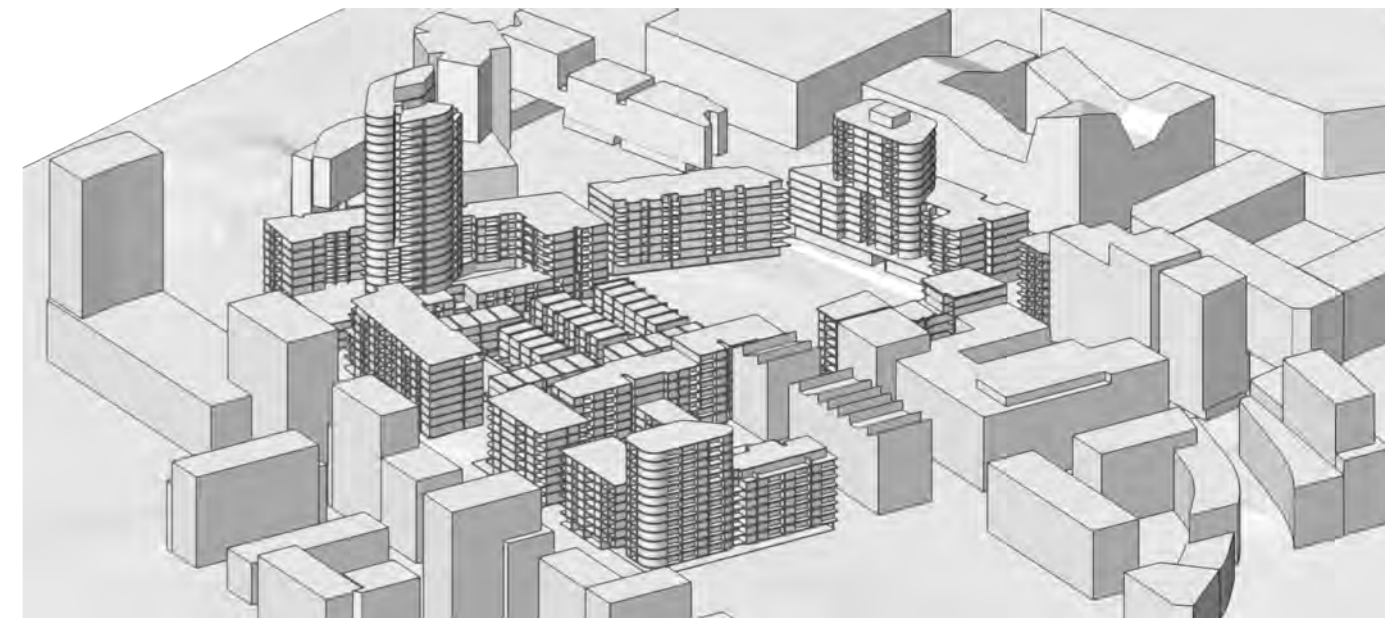




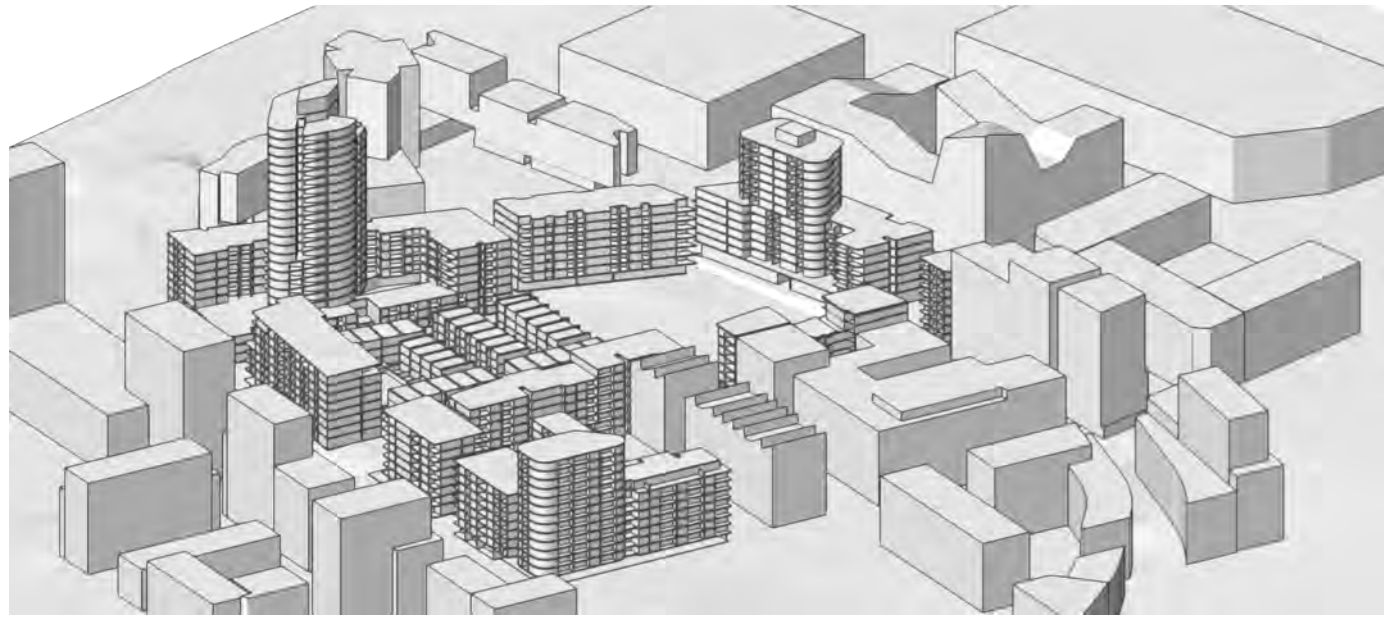
21/6 1400



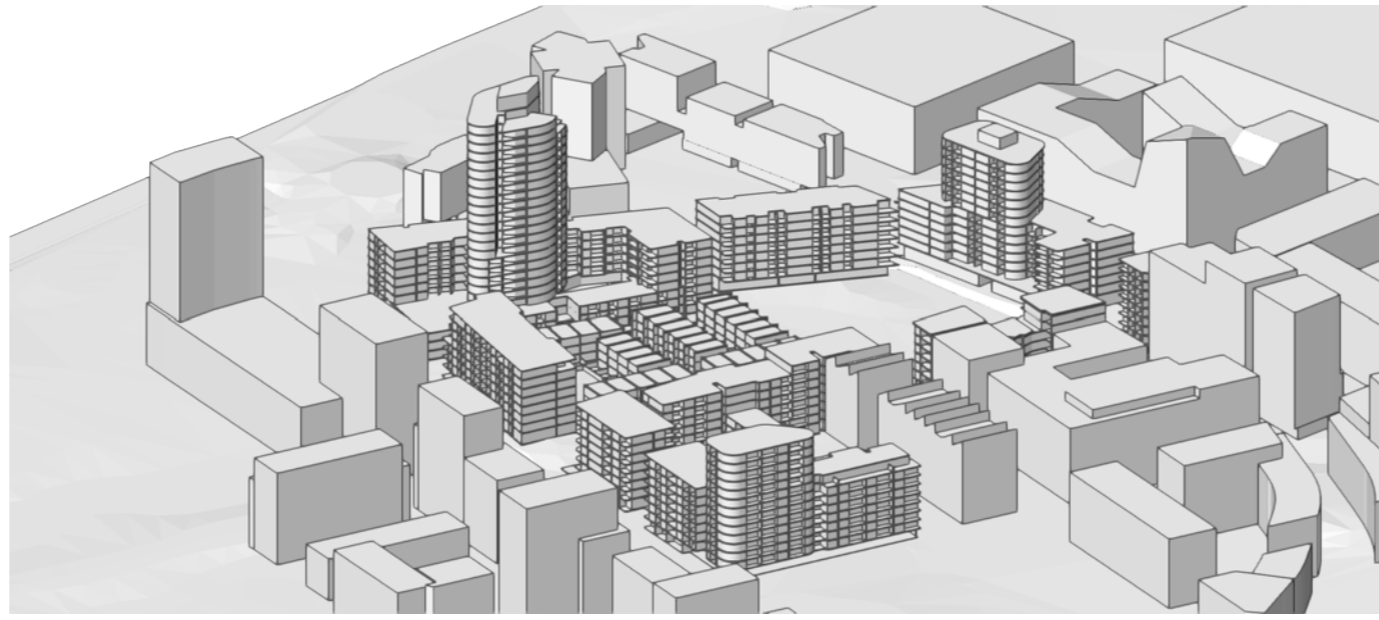
21/6 1405



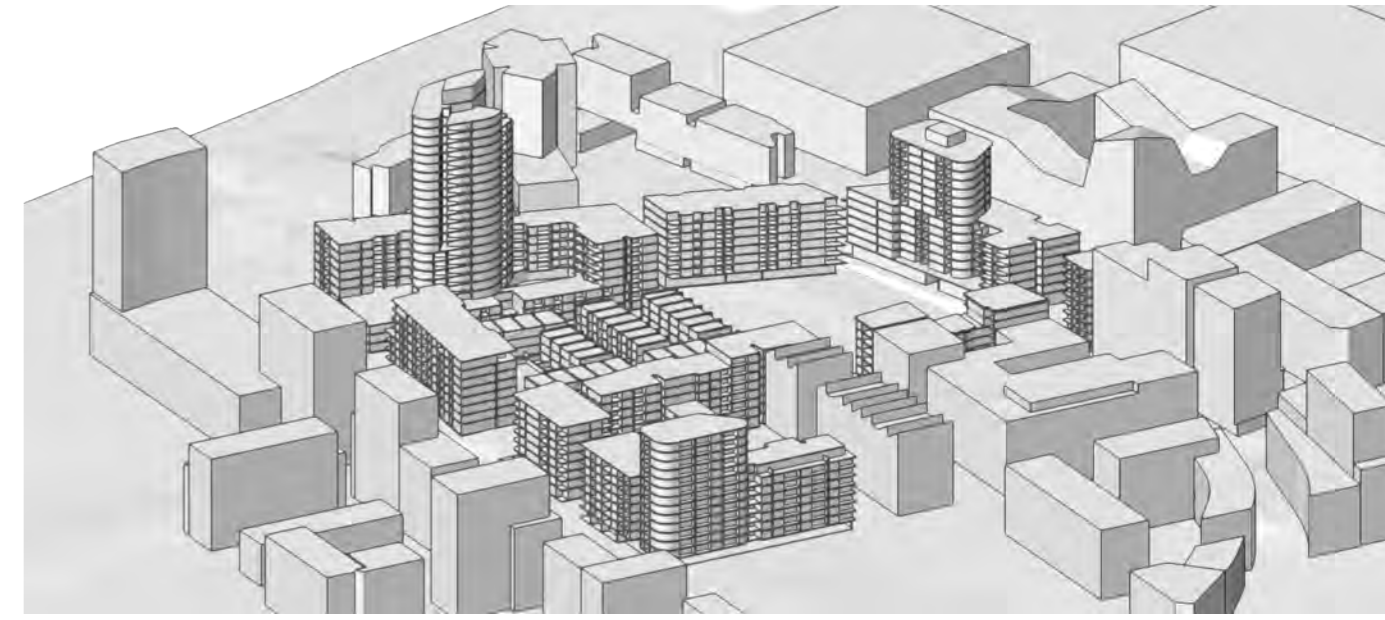
21/6 1410



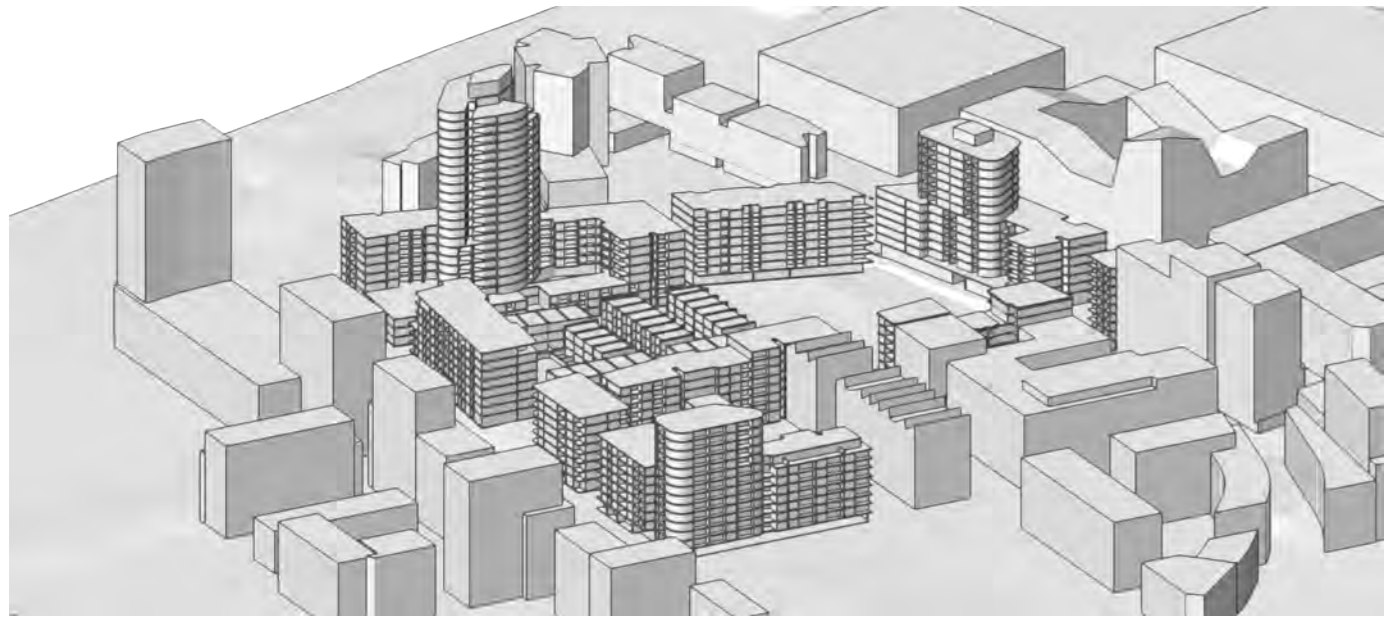
21/6 1415



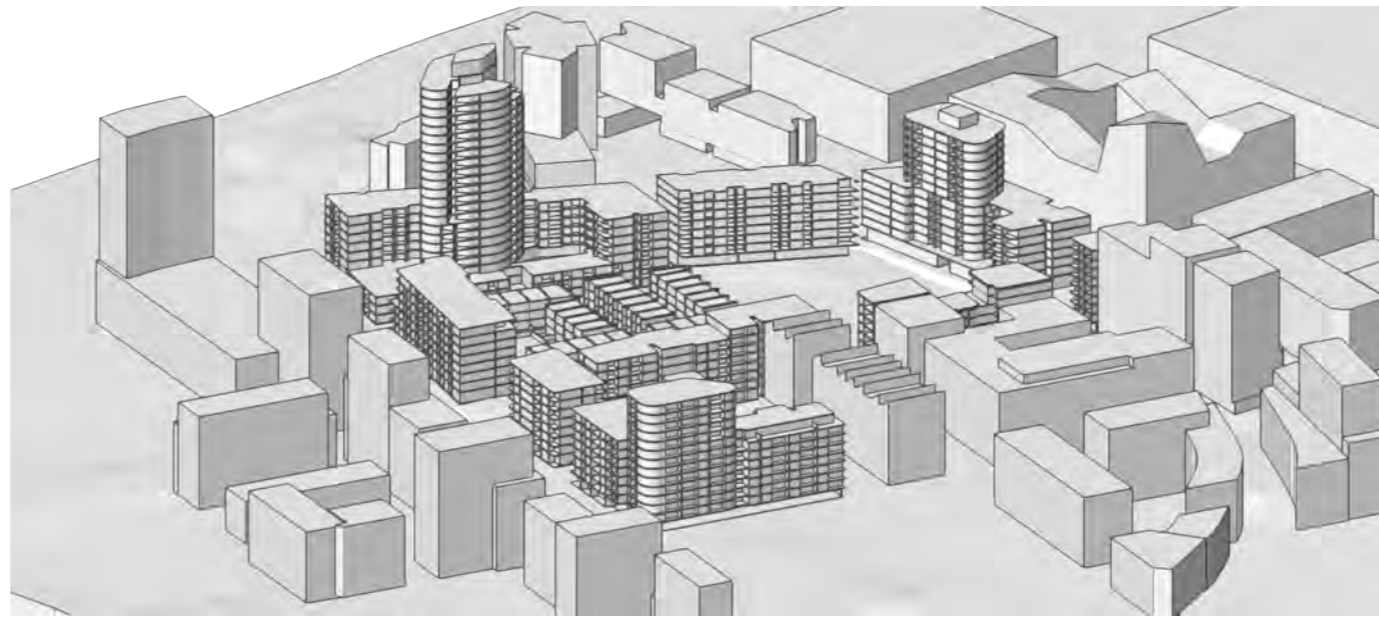
21/6 1420



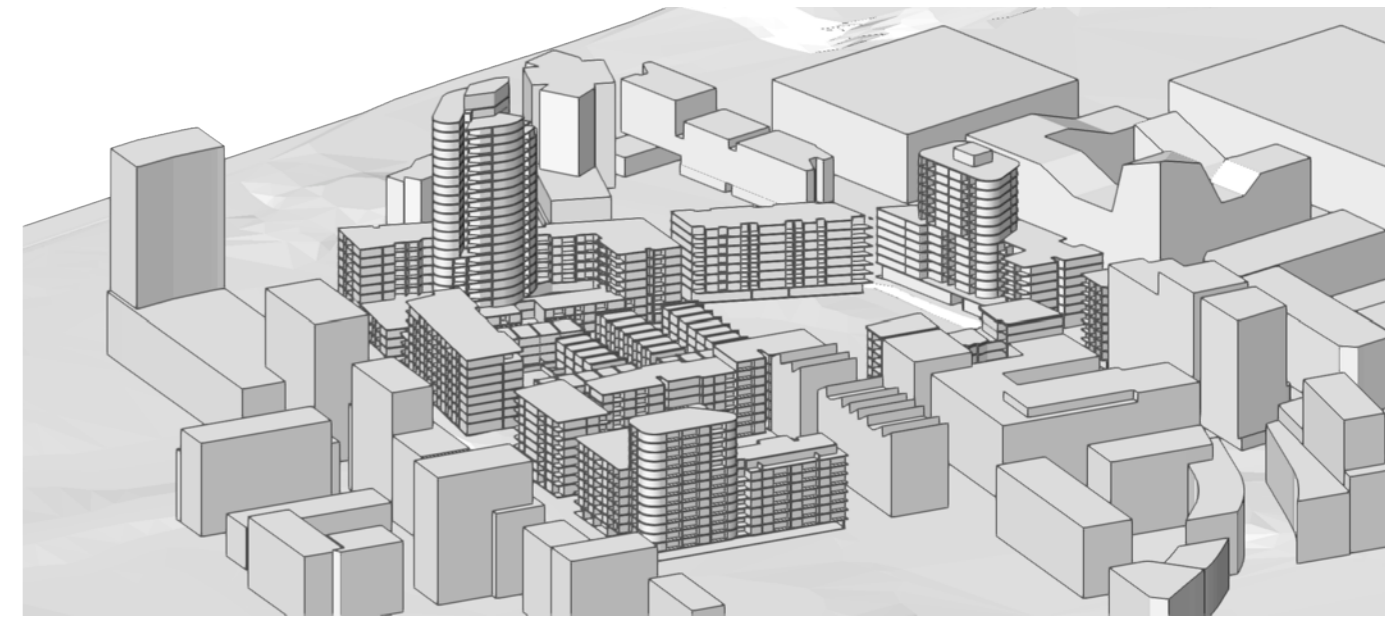
21/6 1425



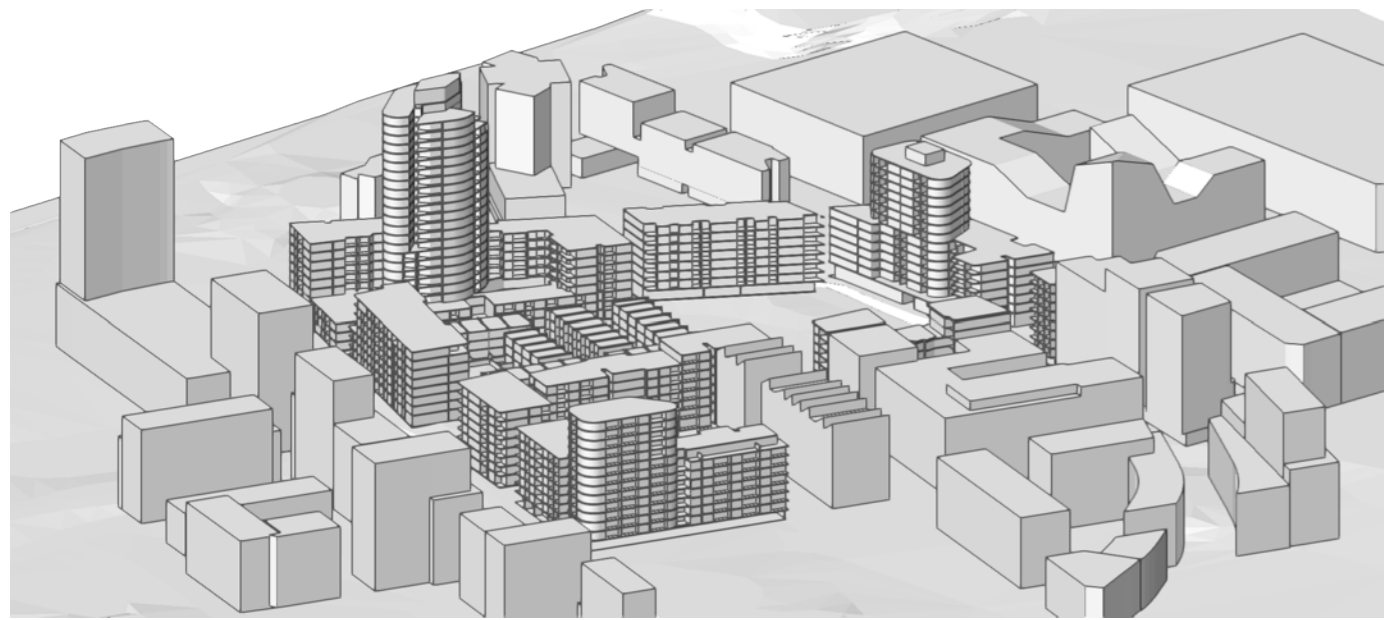
21/6 1430



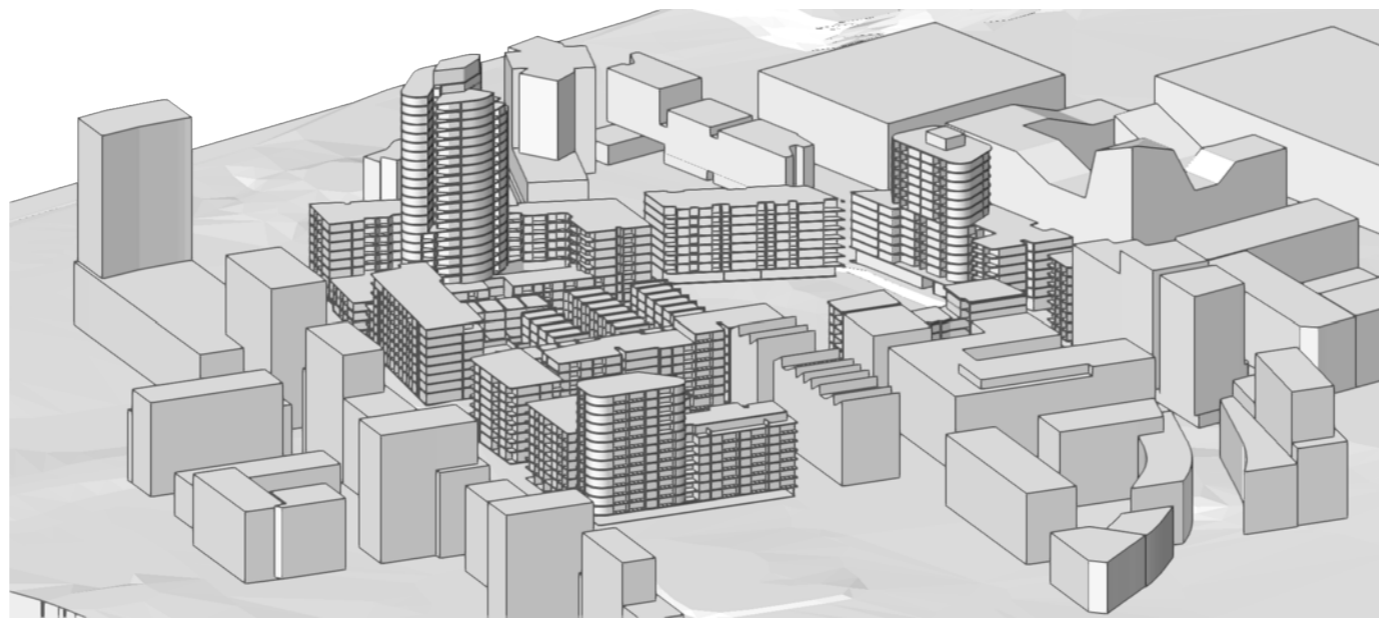
21/6 1435



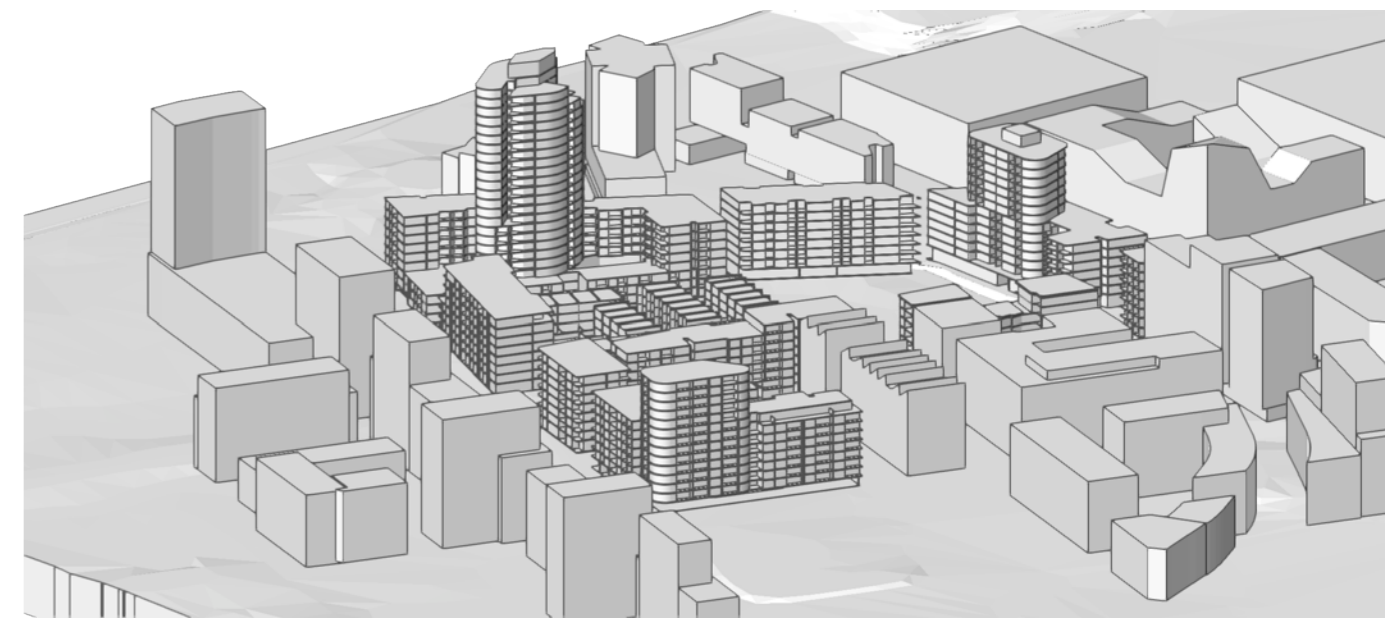
21/6 1440



21/6 1445



21/6 1450



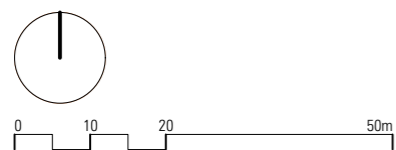
21/6 1455

# VIEWS FROM SUN 1400-1455

## 2129A 80005 A

STATUS  
**REFERENCE DESIGN**  
DATE  
11/7/2022

2129\_3D\_SOLAR STUDIES.vwx



PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings  
to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

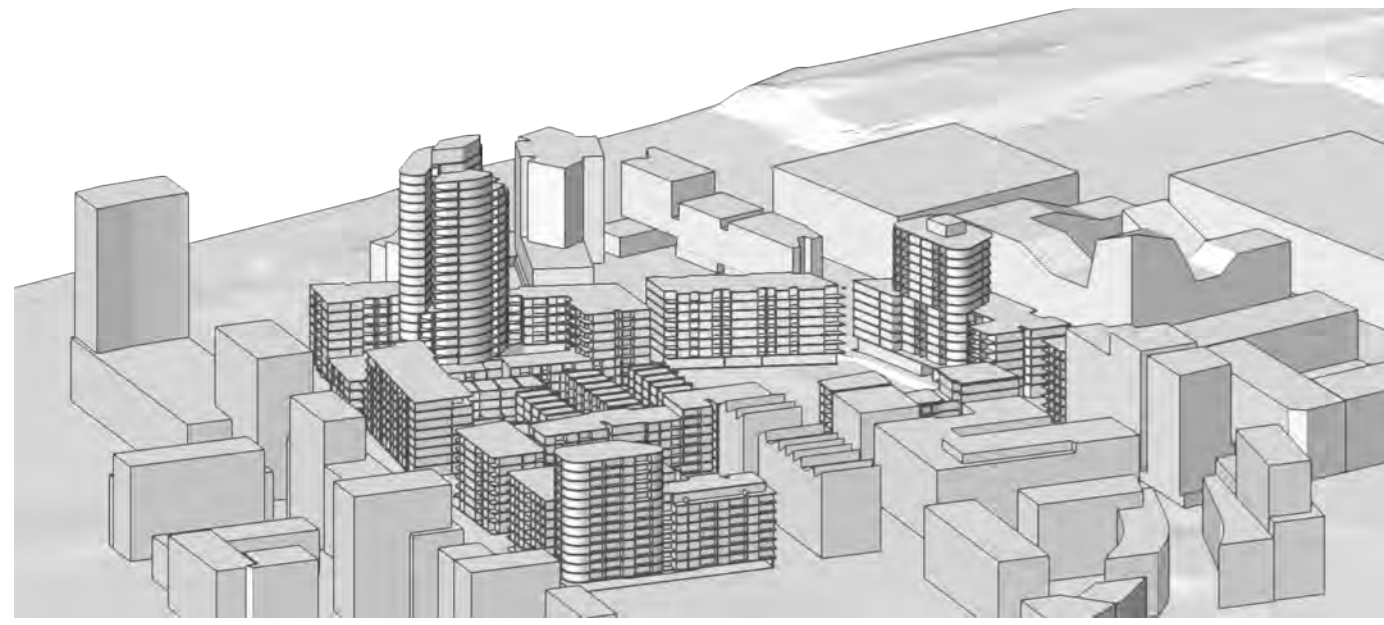
### LEGEND

REVISIONS  
A 11/7/2022 SUBMISSION 01

SUITE 108  
59 MARLBOROUGH ST  
SURRY HILLS NSW 2010  
ARCH. REG. NO. 8886[NSW] 19020[VIC]  
WWW.MAKOARCHITECTURE.COM.AU

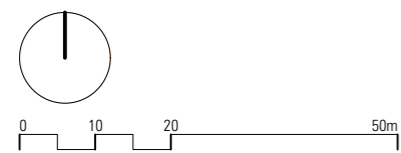
STUDIO 5 LEVEL 1 BAILEYS ARCADE  
131-157 LONDON CIRCUIT  
CANBERRA CITY 2601  
2569[ACT]





21/6 1500

VIEWS FROM SUN 1500  
2129 A 80006 A



SUITE 108  
59 MARLBOROUGH ST  
SURRY HILLS NSW 2010

STUDIO 5 LEVEL 1 BAILEYS ARCADE  
131-157 LONDON CIRCUIT  
CANBERRA CITY 2601

PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
by  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings

to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

LEGEND

REVISIONS  
A 11/7/2022 SUBMISSION 01

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx



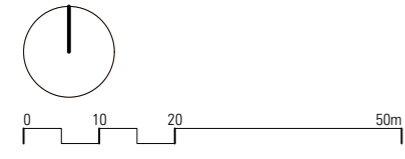


LEP HOB Envelopes  
21/6 0900



Proposed Envelopes  
21/6 0900

SHADOW DIAGRAM WINTER 0900  
2129 A 80500 A



SUITE 108  
59 MARLBOROUGH ST  
SURRY HILLS NSW 2010  
ARCH. REG. NO. 8886[NSW] 19020[VIC]  
WWW.MAKOARCHITECTURE.COM.AU

STUDIO 5 LEVEL 1 BAILEYS ARCADE  
131-157 LONDON CIRCUIT  
CANBERRA CITY 2601  
2569[ACT]

PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings

LEGEND

REVISIONS  
A 11/7/2022 SUBMISSION 01

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx



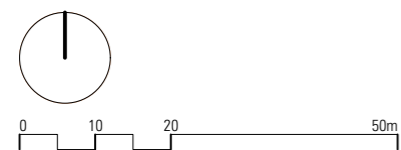


LEP HOB Envelopes  
21/6 1000



Proposed Envelopes  
21/6 1000

SHADOW DIAGRAM WINTER 1000  
2129 A 80501 A







LEP HOB Envelopes  
21/6 1100

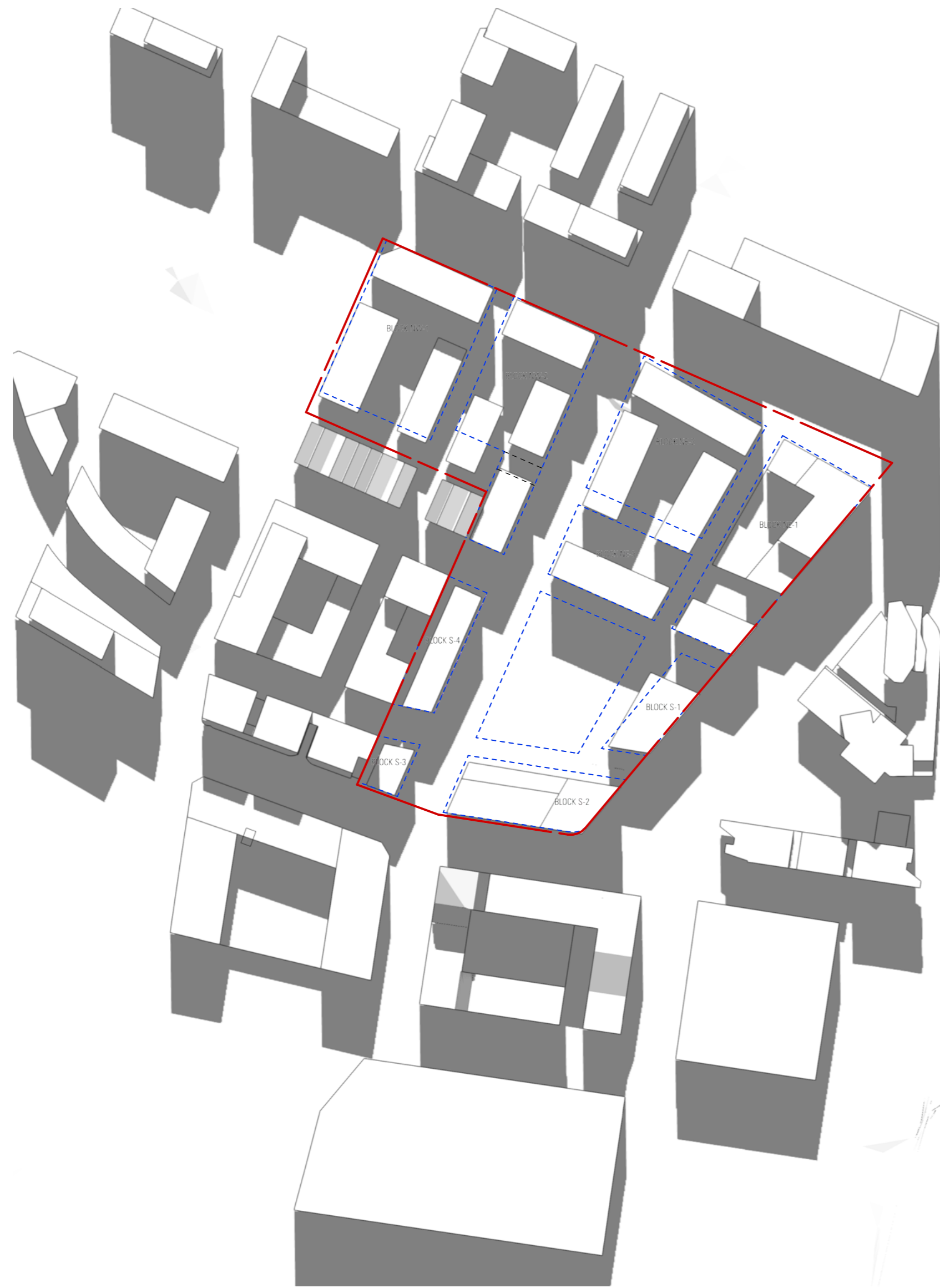


Proposed Envelopes  
21/6 1100

SHADOW DIAGRAM WINTER 1100  
2129 A 80502 A





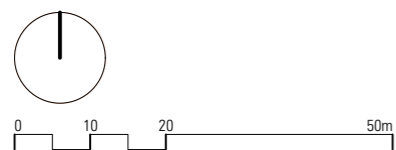


LEP HOB Envelopes  
21/6 1200



Proposed Envelopes  
21/6 1200

SHADOW DIAGRAM WINTER 1200  
2129 A 80503 A



PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings

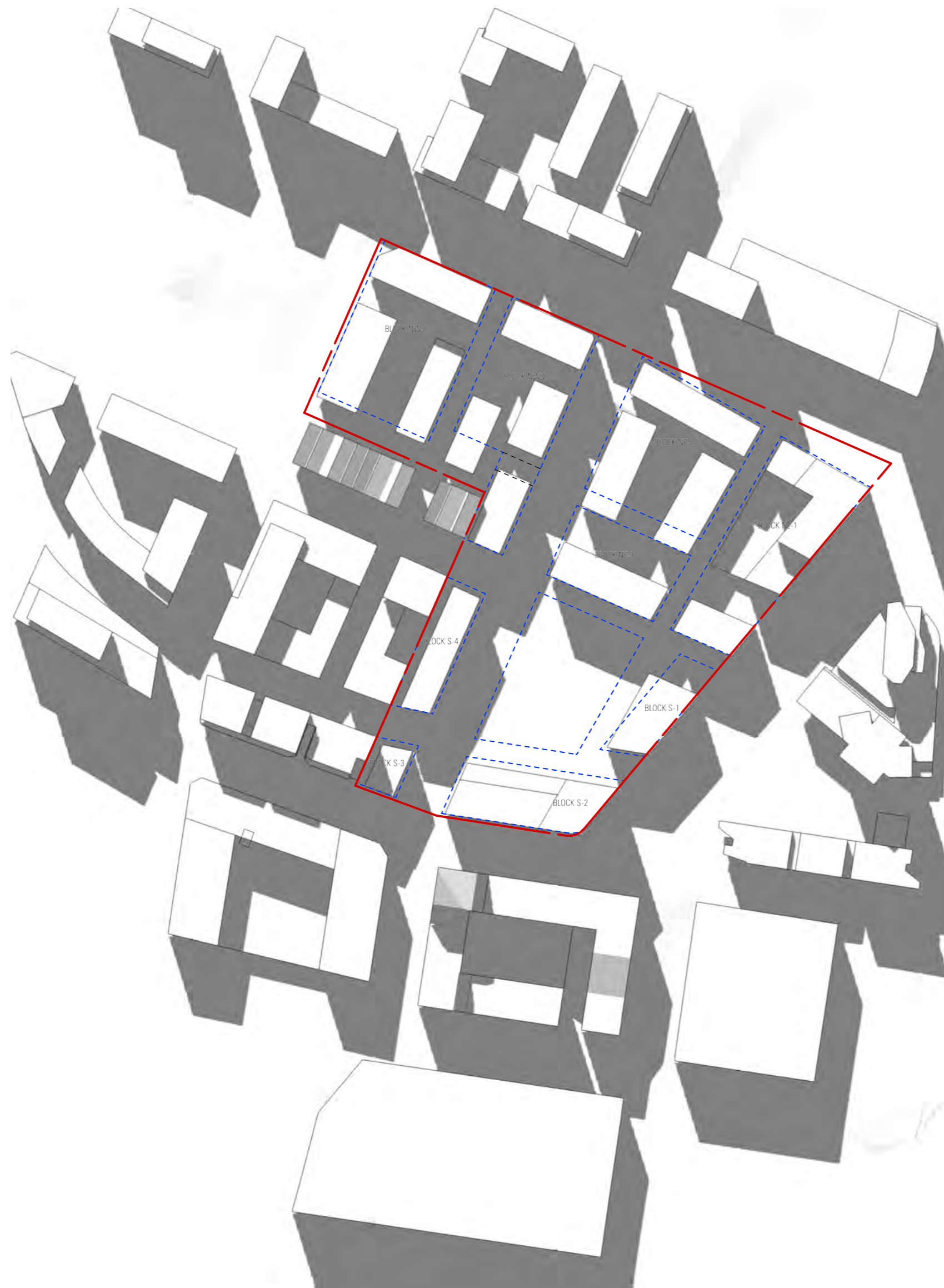
to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

LEGEND

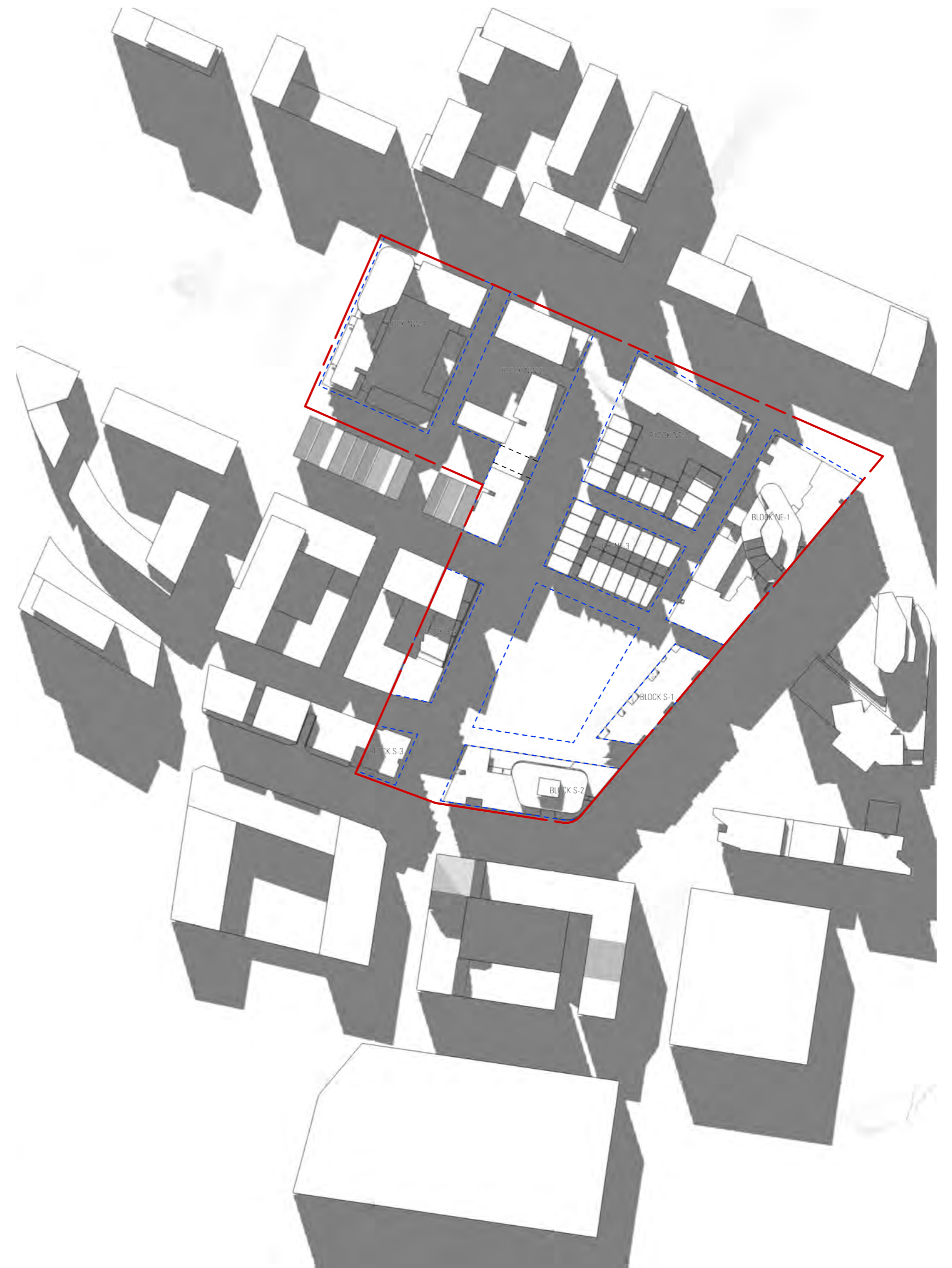
REVISIONS  
A 11/7/2022 SUBMISSION 01

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx



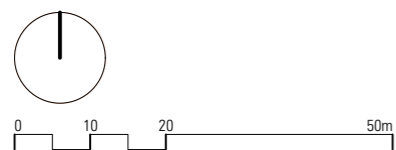


LEP HOB Envelopes  
21/6 1300



Proposed Envelopes  
21/6 1300

SHADOW DIAGRAM WINTER 1300  
2129 A 80504 A



PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings

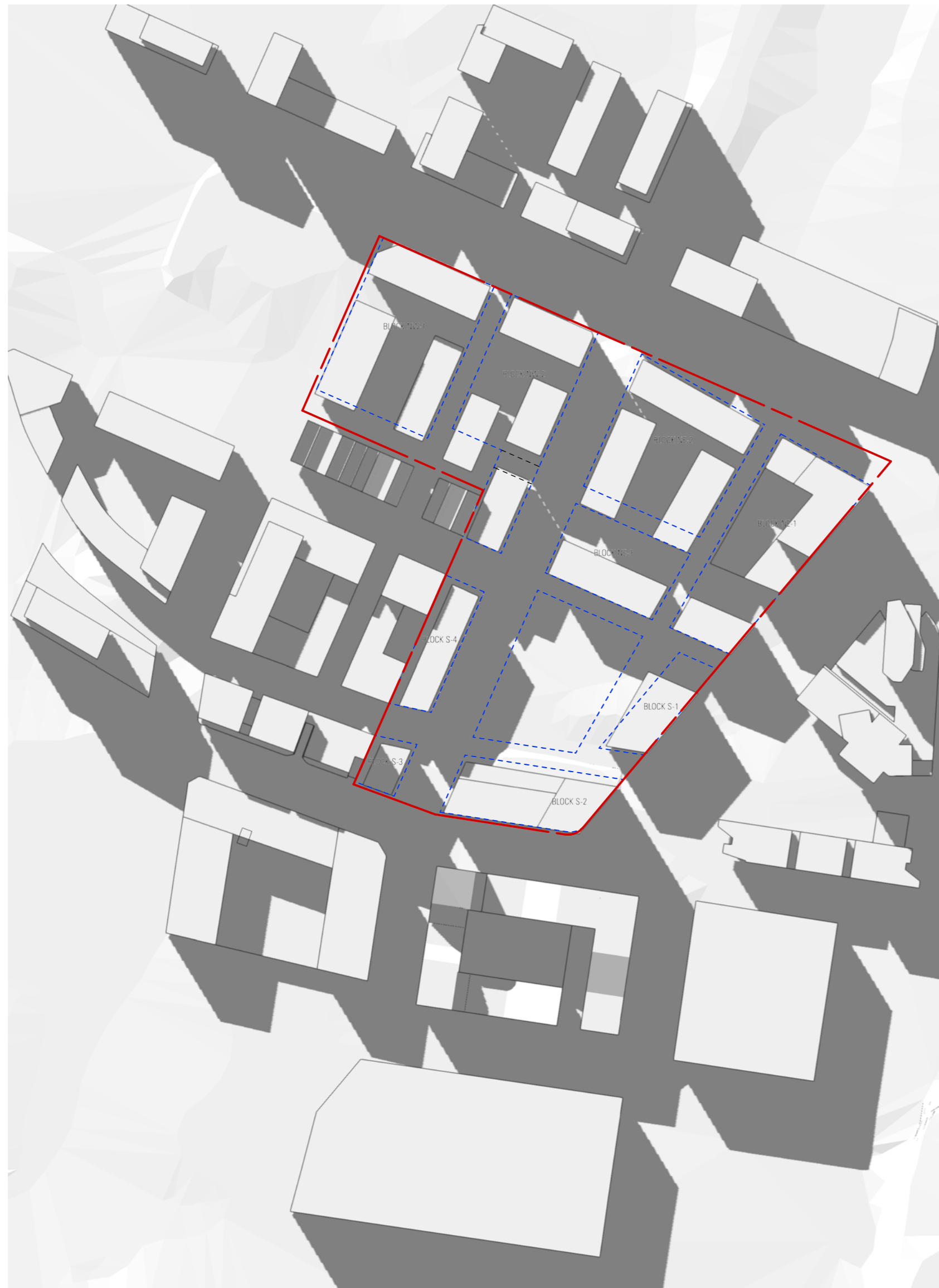
to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

LEGEND

REVISIONS  
A 11/7/2022 SUBMISSION 01

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx



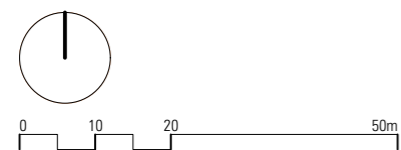


LEP HOB Envelopes  
21/6 1400



Proposed Envelopes  
21/6 1400

SHADOW DIAGRAM WINTER 1400  
2129 A 80505 A







LEP HOB Envelopes  
21/6 1500



Proposed Envelopes  
21/6 1500

SHADOW DIAGRAM WINTER 1500

2129 A 80506 A

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022

2129\_3D\_SOLAR STUDIES.vwx



0 10 20 50m

PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings  
to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

LEGEND

SUITE 108  
59 MARLBOROUGH ST  
SURRY HILLS NSW 2010  
ARCH. REG. NO. 8886[NSW] 19020[VIC]  
WWW.MAKOARCHITECTURE.COM.AU

STUDIO 5 LEVEL 1 BAILEYS ARCADE  
131-157 LONDON CIRCUIT  
CANBERRA CITY 2601  
2569[ACT]

REVISIONS  
A 11/7/2022 SUBMISSION 01



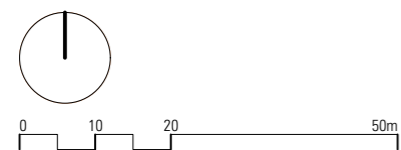


LEP HOB Envelopes  
21/12 0900



Proposed Envelopes  
21/12 0900

SHADOW DIAGRAM SUMMER 0900  
2129 A 80507 A





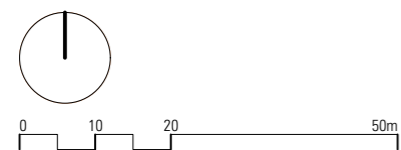


LEP HOB Envelopes  
21/12 1000



Proposed Envelopes  
21/12 1000

SHADOW DIAGRAM SUMMER 1000  
2129 A 80508 A





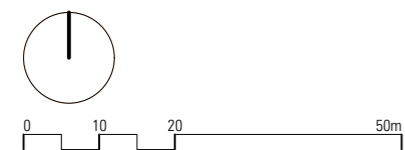


LEP HOB Envelopes  
21/12 1100



Proposed Envelopes  
21/12 1100

SHADOW DIAGRAM SUMMER 1100  
2129 A 80509 A





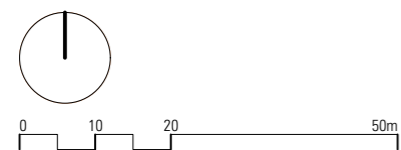


LEP HOB Envelopes  
21/12 1200

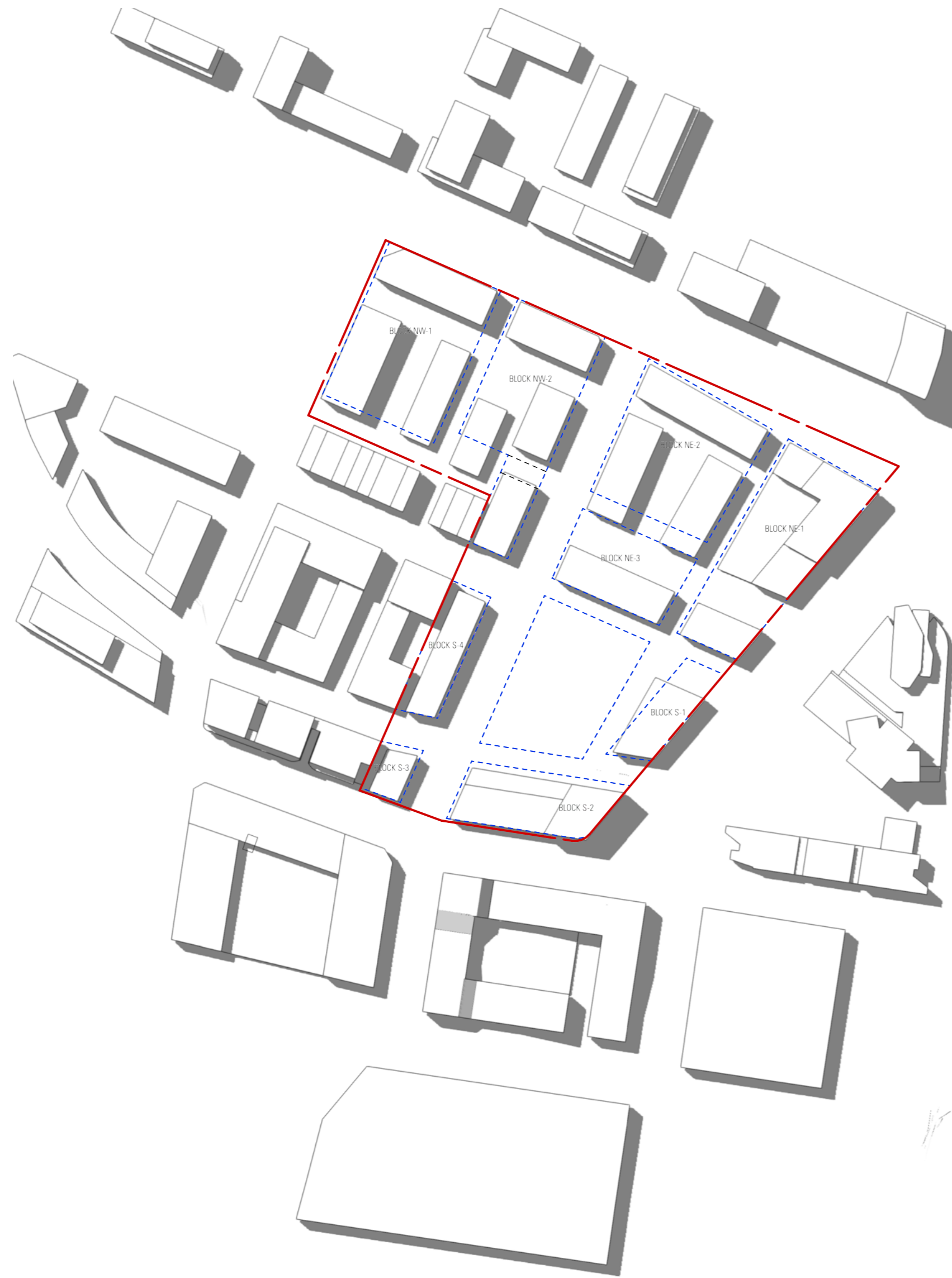


Proposed Envelopes  
21/12 1200

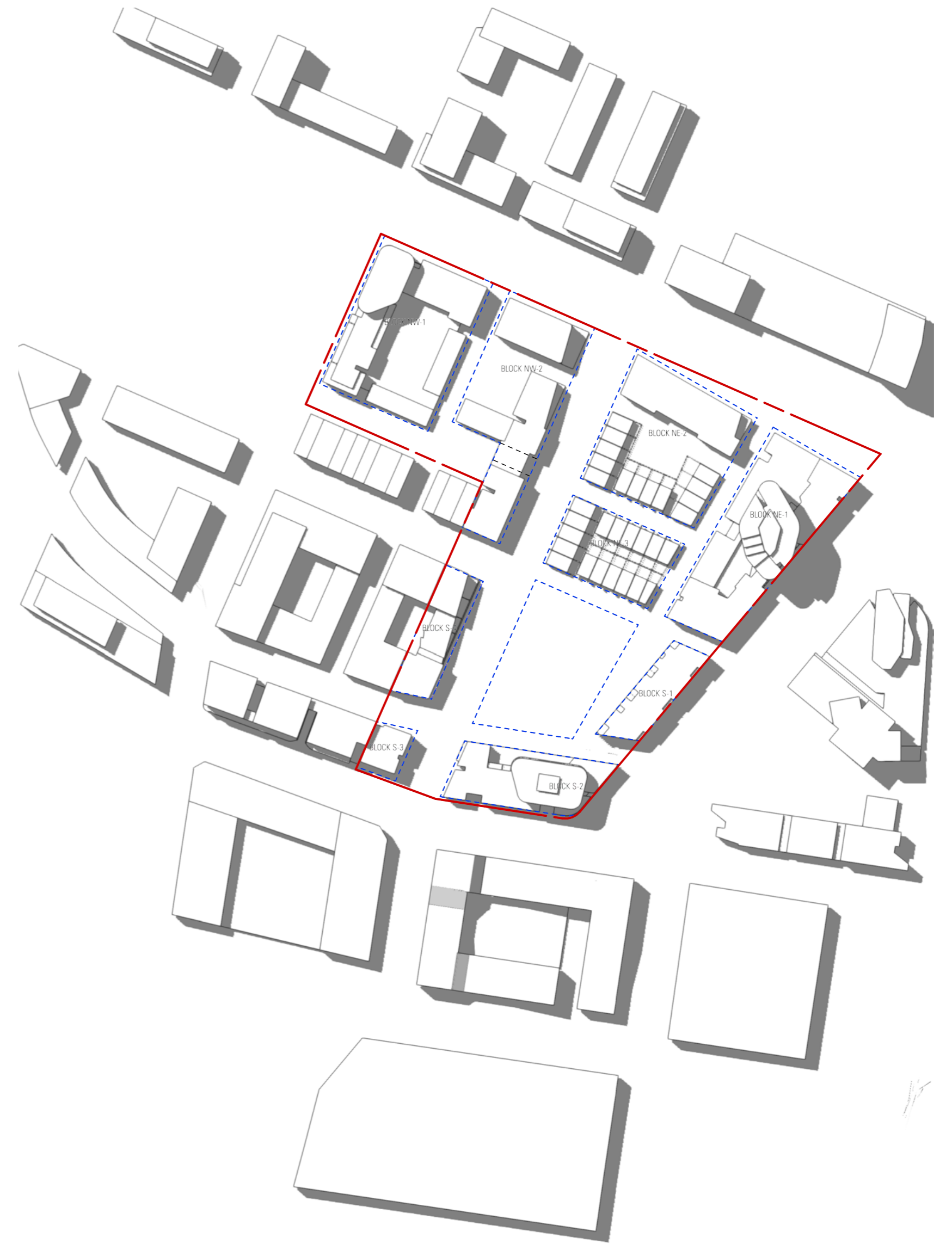
SHADOW DIAGRAM SUMMER 1200  
2129A 80510 A







LEP HOB Envelopes  
21/12 1300



Proposed Envelopes  
21/12 1300

SHADOW DIAGRAM SUMMER 1300  
2129A 80511 A





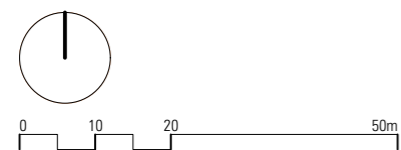


LEP HOB Envelopes  
21/12 1400



Proposed Envelopes  
21/12 1400

SHADOW DIAGRAM SUMMER 1400  
2129A 80512 A



PROJECT DETAILS  
SUTTON SITE  
ZETLAND  
BY  
MERITON

NOTES  
all dimensions in millimetres unless otherwise noted  
check all dimensions on site prior to construction  
work to figured dimensions. do not scale off drawings

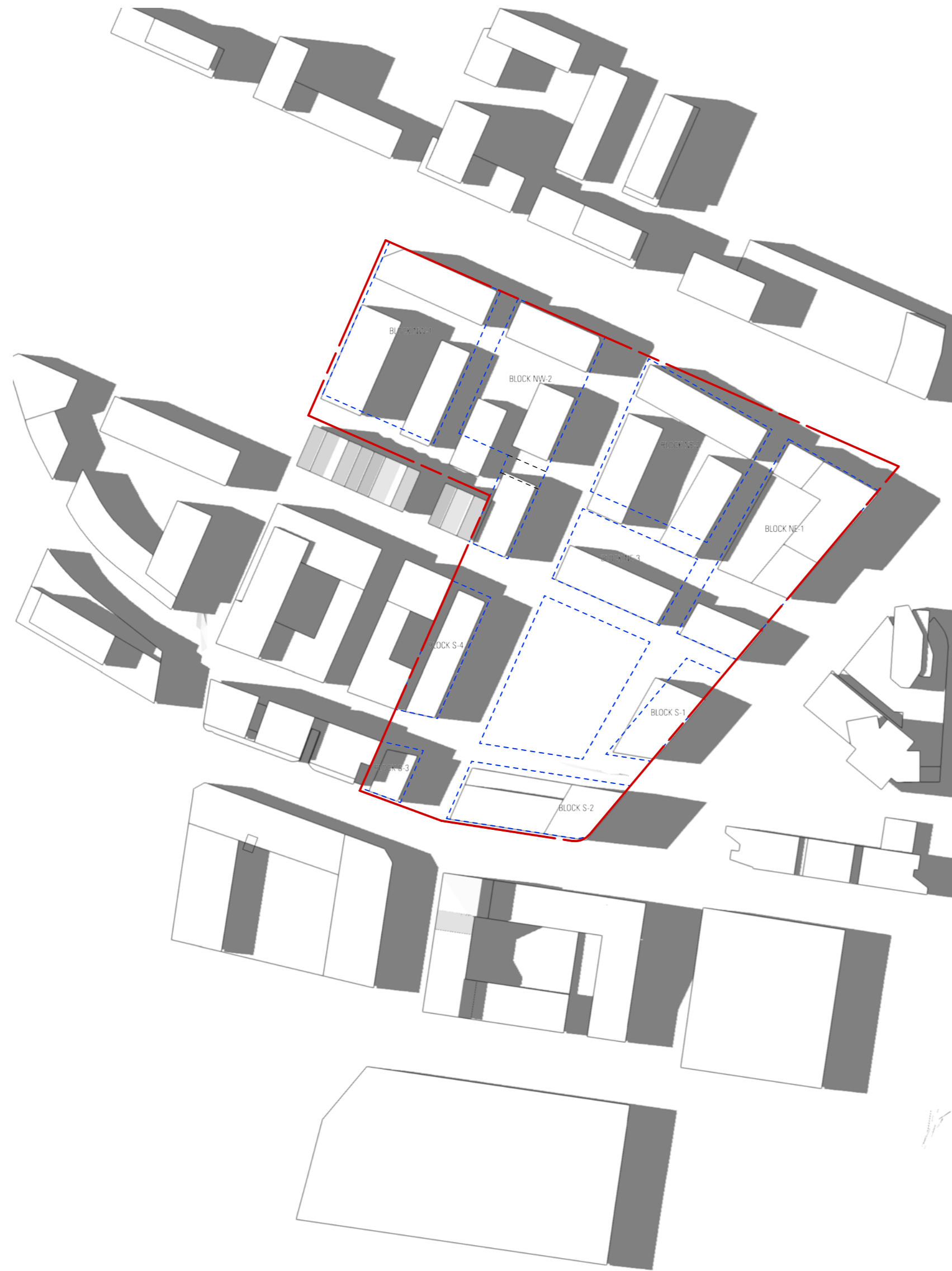
to be read in conjunction with the complete documentation package including, but not limited to, all consultant drawings, specifications, reports and consent conditions  
report all discrepancies to the project manager

LEGEND

REVISIONS  
A 11/7/2022 SUBMISSION 01

STATUS  
REFERENCE DESIGN  
DATE  
11/7/2022  
2129\_3D\_SOLAR STUDIES.vwx



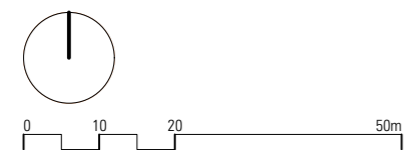


LEP HOB Envelopes  
21/12 1500



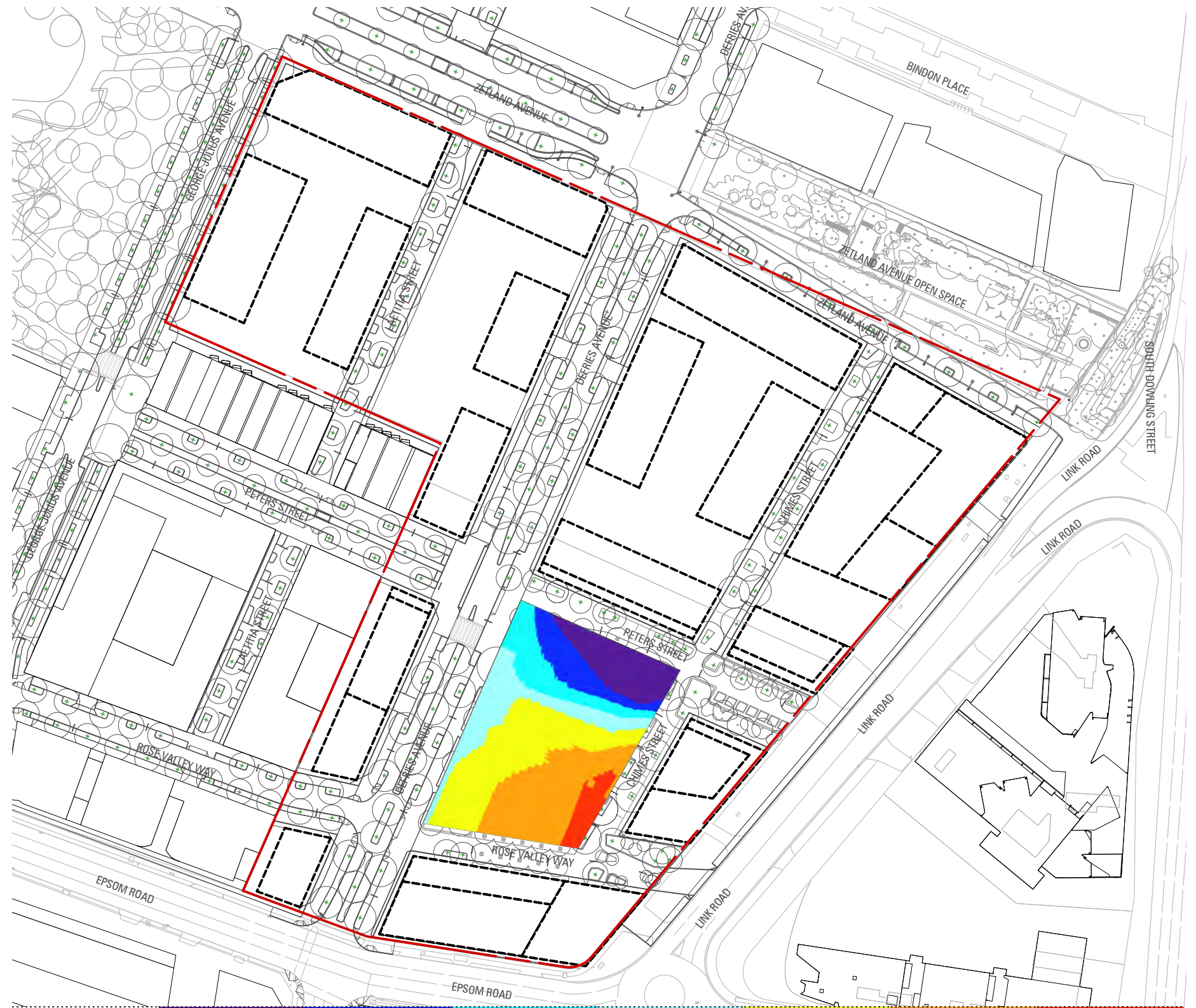
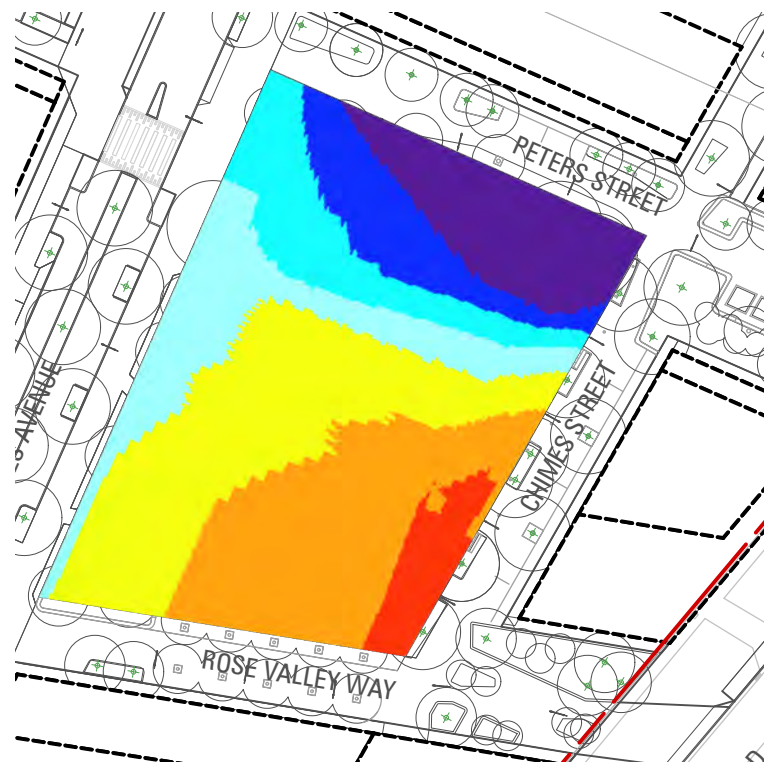
Proposed Envelopes  
21/12 1500

SHADOW DIAGRAM SUMMER 1500  
2129A 80513 A





0900-1500h  
 5 min time steps  
 North at -1.0 degrees to MGA  
 100mm sensor grid



Area sqm	0 hours	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours
3547.19	439.92	308.9	378.41	513.86	938.27	795.83	172
	12.40%	8.71%	10.67%	14.49%	26.45%	22.44%	4.85%

53.74%

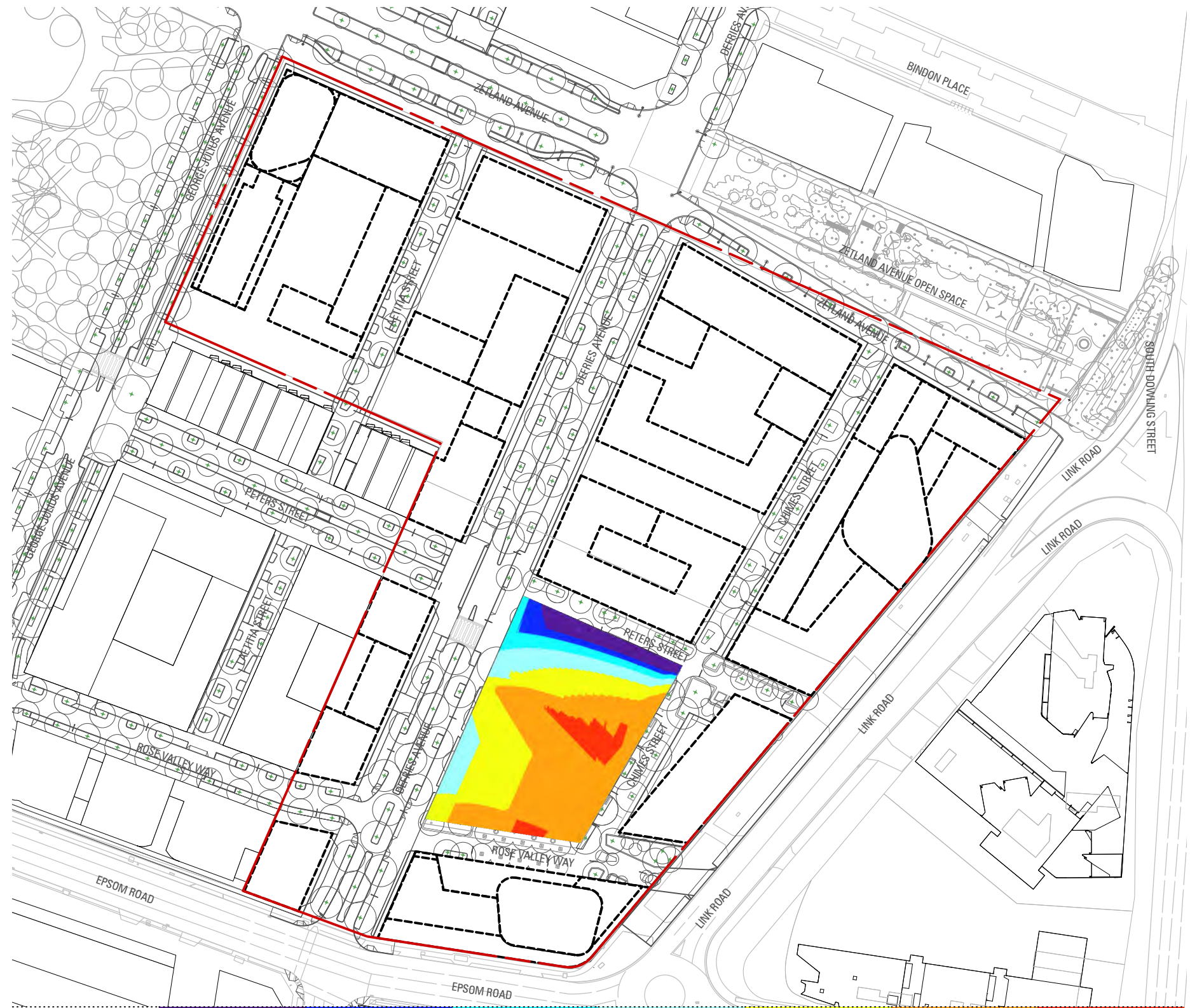
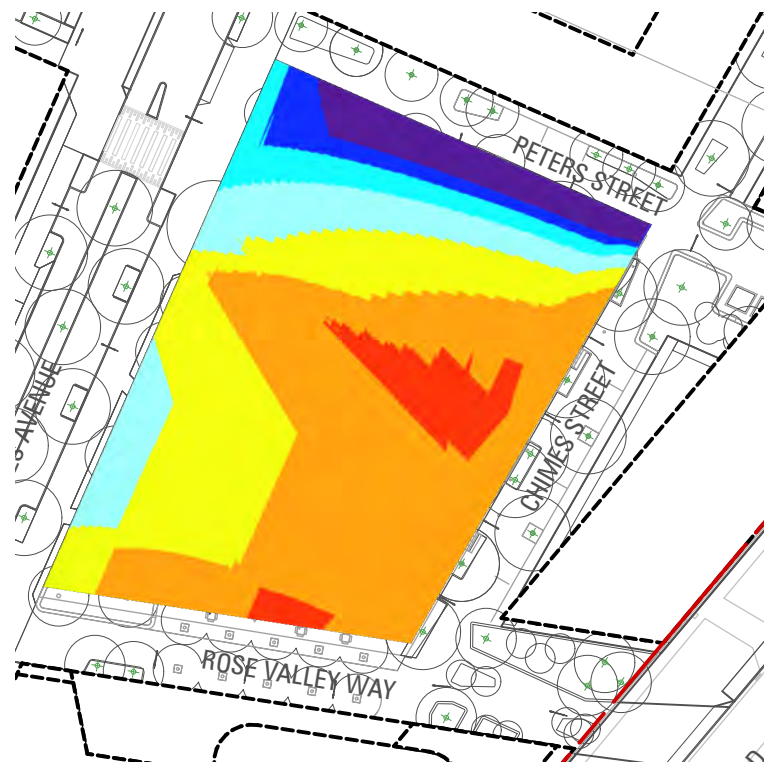
1,906 sqm of 3,547 sqm

78.89%

2,798 sqm of 3,547 sqm



0900-1500h  
 5 min time steps  
 North at -1.0 degrees to MGA  
 100mm sensor grid



Area sqm	0 hours	1 hour	2 hours	3 hours	4 hours	5 hours	6 hours
3541.89	211.99	140.48	195.97	414.04	908.6	1452.9	217.91
	5.99%	3.97%	5.53%	11.69%	25.65%	41.02%	6.15%

72.83%

2,579 sqm of 3,542 sqm

90.05%

3,189 sqm of 3,542 sqm