04____Other Times of the Year

Proposed Built Form Maximum Envelope _Hyde Park Barracks

21 June **10am**

Figure 1_Plan view

Legend

- Existing overshadowing
- Additional overshadowing
- Additional sun

04____Other Times of the Year

122 **Proposed Built Form Maximum Envelope _Hyde Park Barracks**

21 June **11am**

Legend

- Existing overshadowing
- Additional overshadowing
- Additional sun

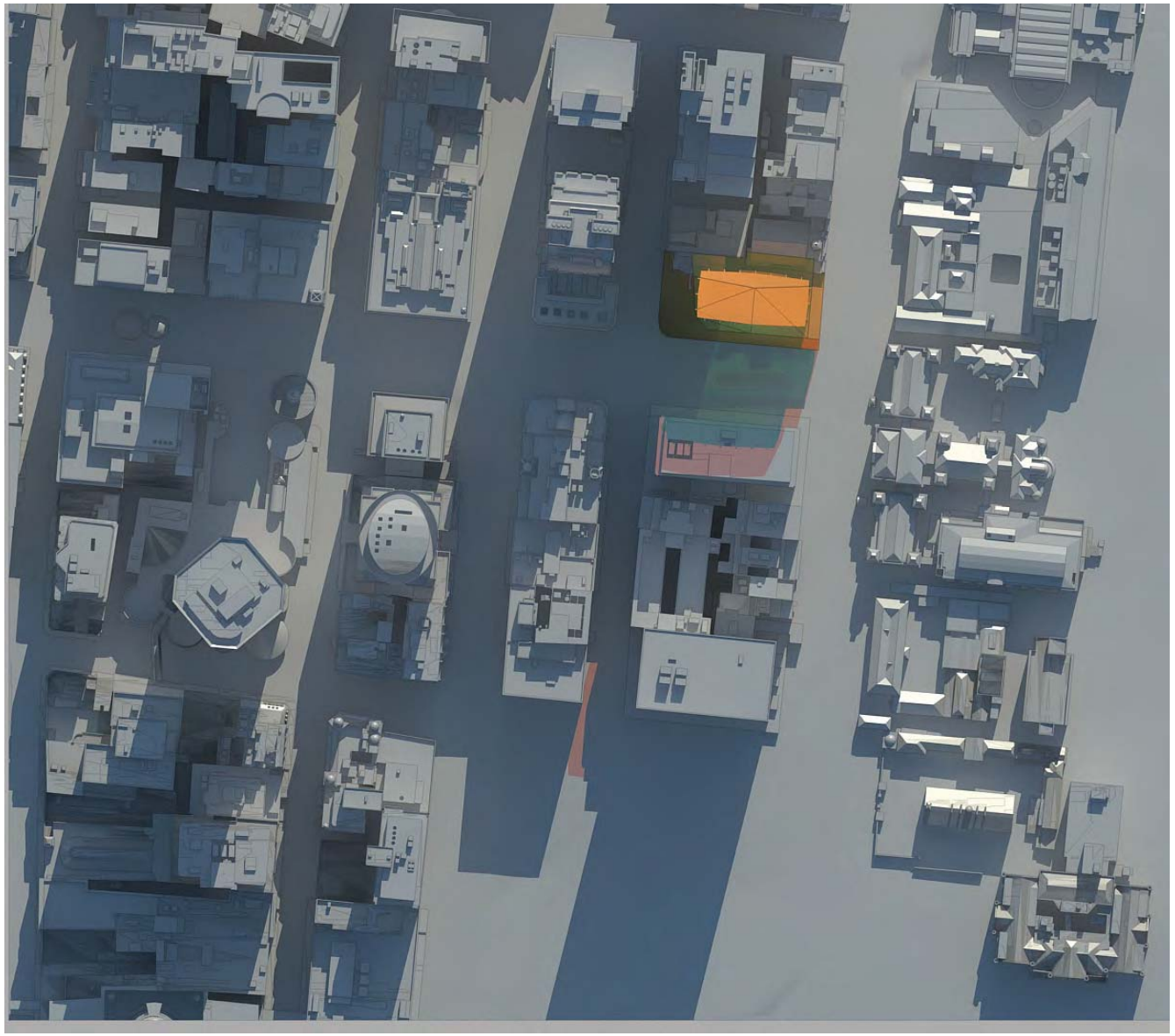

Figure 1_Plan view

04____Other Times of the Year

Proposed Built Form Maximum Envelope _Hyde Park Barracks

21 June **Midday**

Legend

- Existing overshadowing
- Additional overshadowing
- Additional sun

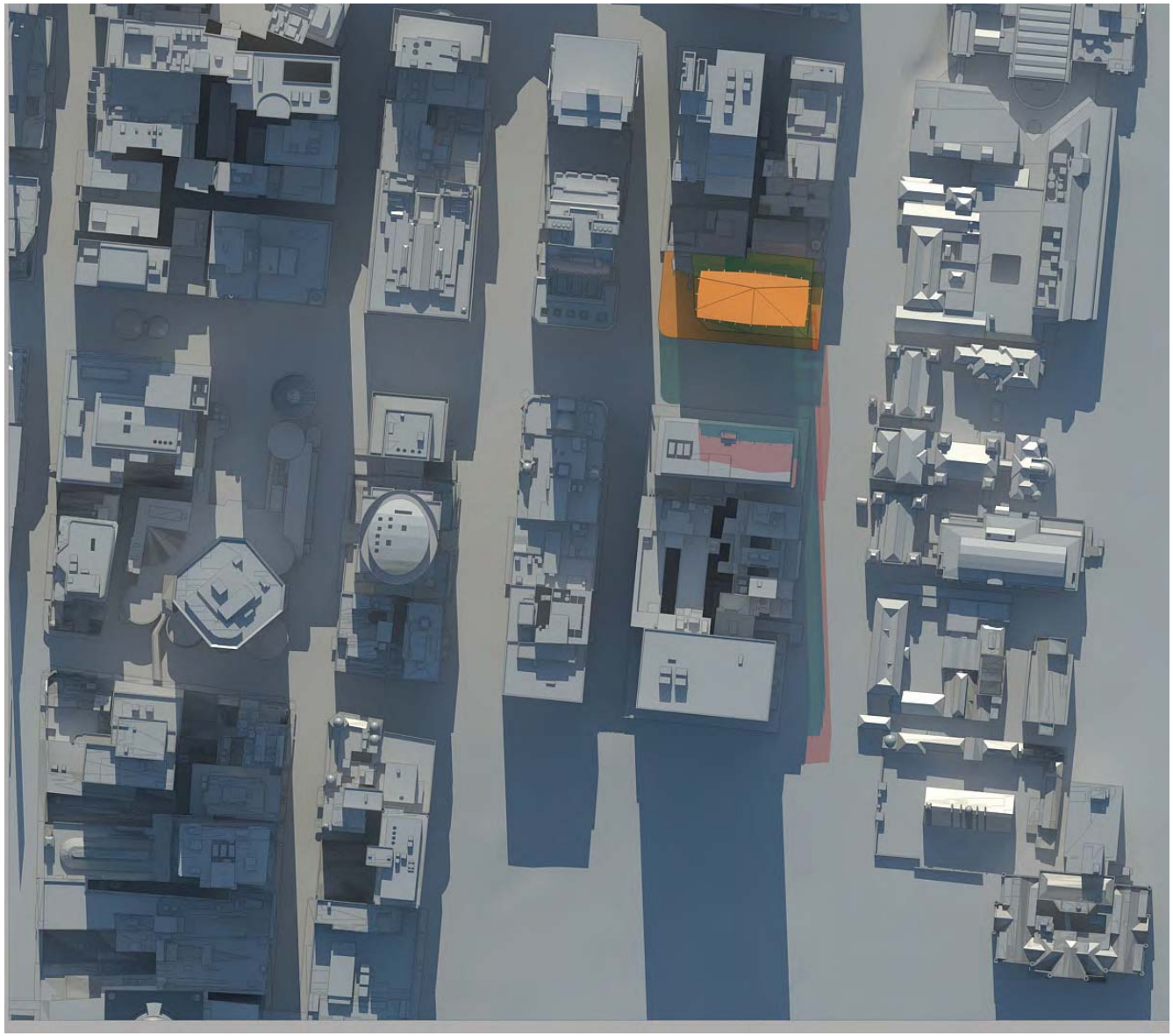

Figure 1_Plan view

04____Other Times of the Year

Proposed Built Form Maximum Envelope _Hyde Park Barracks

21 June **1pm**

Legend

- Existing overshadowing
- Additional overshadowing
- Additional sun

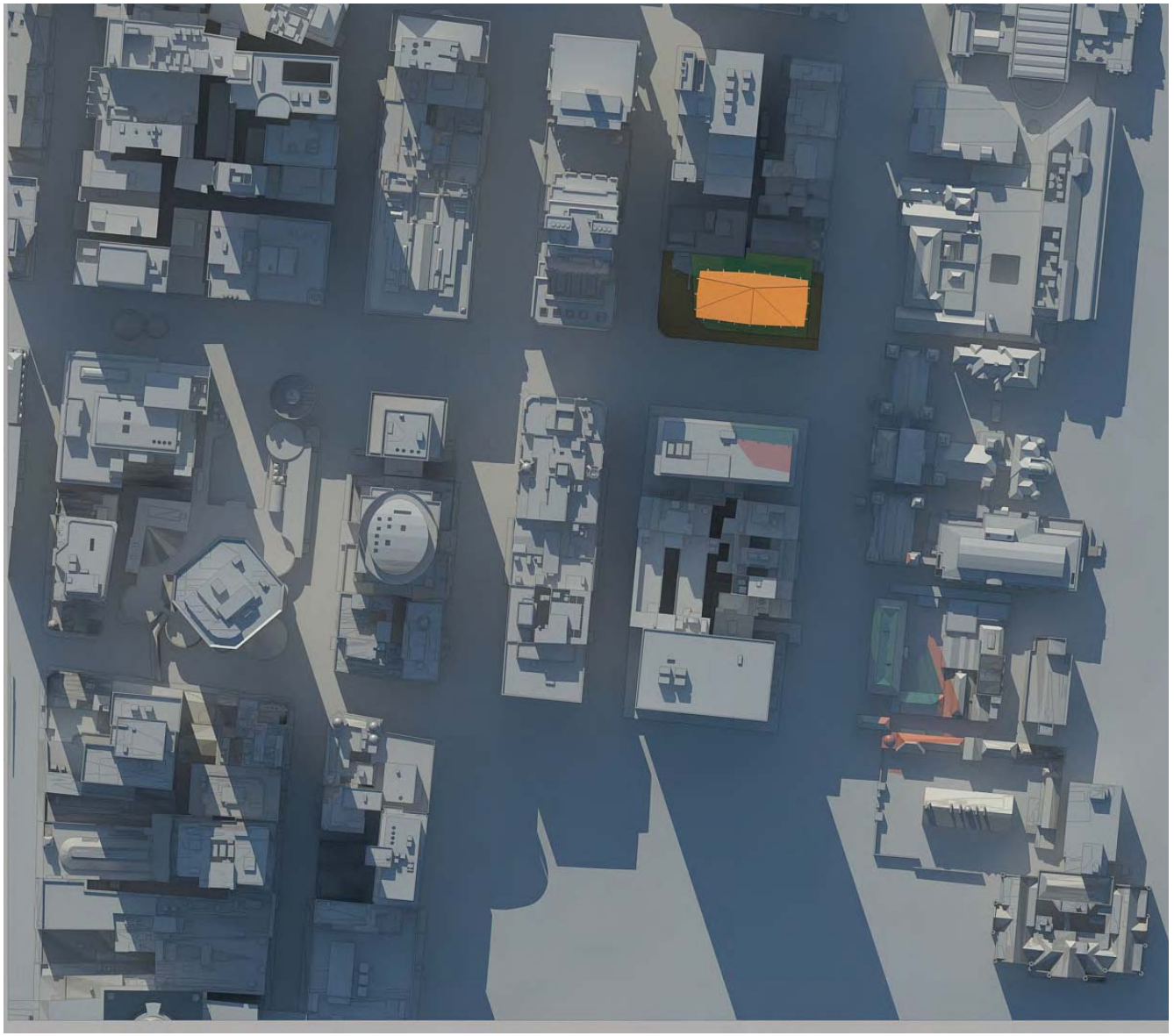

Figure 1_Plan view

04____Other Times of the Year

Proposed Built Form Maximum Envelope _Hyde Park Barracks

21 June **2pm**

Legend

- Existing overshadowing
- Additional overshadowing
- Additional sun

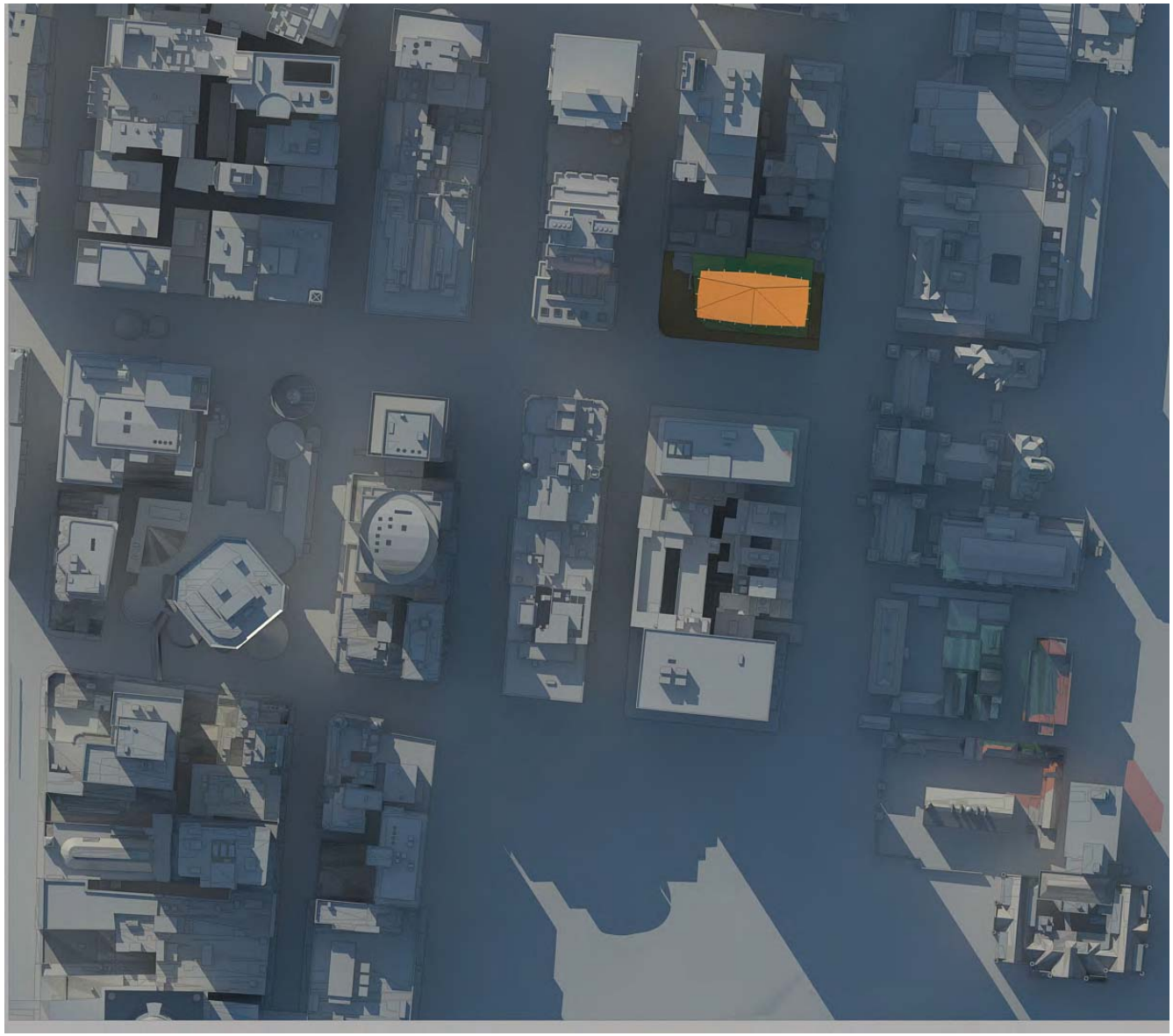

Figure 1_Plan view

04____Other Times of the Year

126

Proposed Built Form Maximum Envelope _Hyde Park Barracks

21 June **3pm**

Legend

- Existing overshadowing
- Additional overshadowing
- Additional sun

Figure 1_Plan view

04____Other Times of the Year

Proposed Built Form Maximum Envelope _Hyde Park Barracks

21 June **4pm**

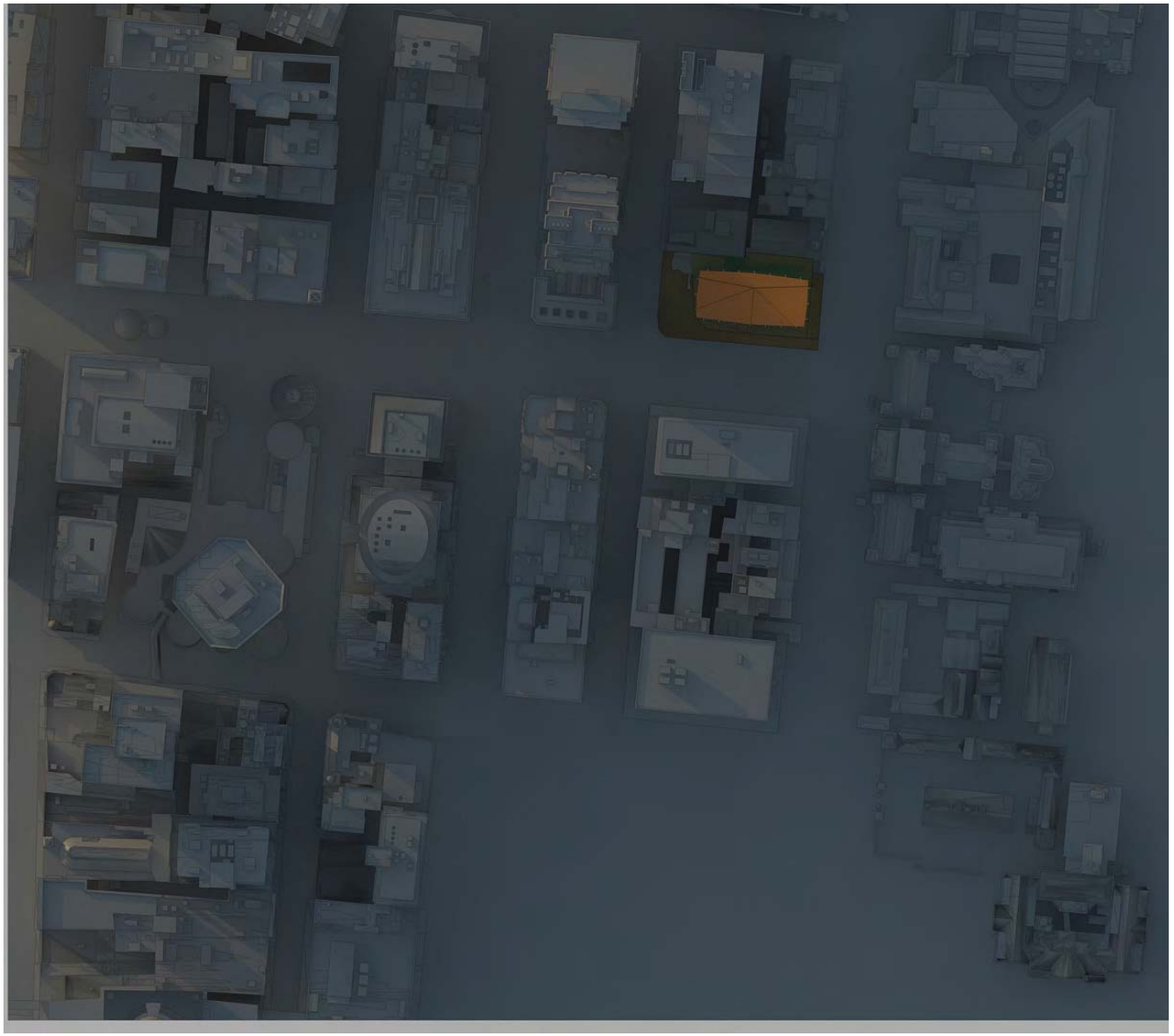

Figure 1_Plan view

Legend

- Existing overshadowing
- Additional overshadowing
- Additional sun

04____Other Times of the Year

Proposed Built Form Maximum Envelope _Hyde Park Barracks

21 June **5pm**

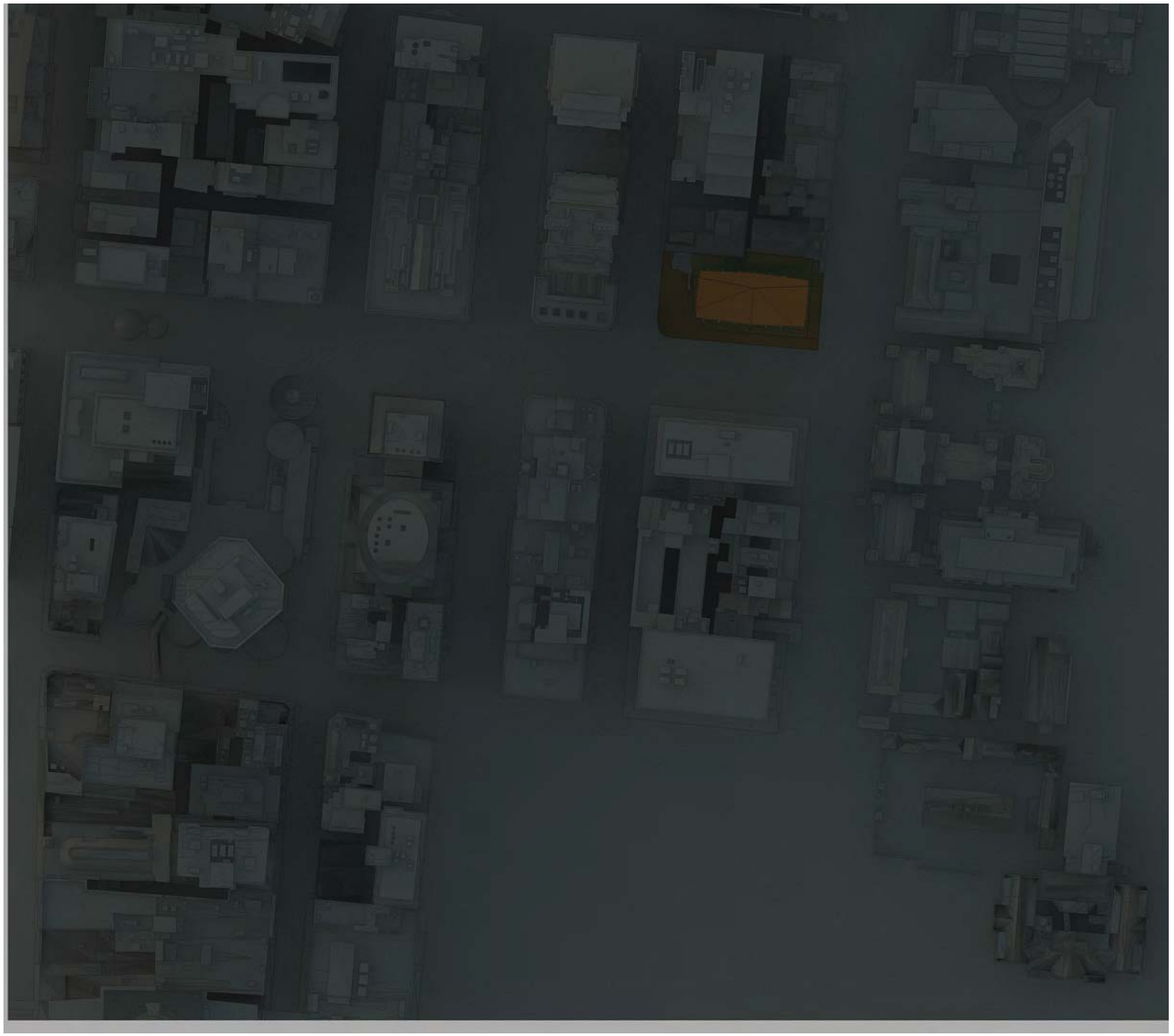

Figure 1_Plan view

05____Conclusions

Control Time

PROPOSED BUILT FORM MAXIMUM ENVELOPE
This Report demonstrates that the proposed built form maximum envelope as documented above does not result in any additional overshadowing on the Martin Place ground plane and the building facades on its southern edge during the control times of April 14th 12pm - 2pm.

This envelope does result in a strip of additional overshadowing onto Macquarie Street before it shifts onto the Sydney Hospital Group Buildings. The additional shadow cast on Macquarie Street is considered acceptable in light of the nature of the land use as a transport thoroughfare.

LEP COMPLIANT ENVELOPE
The LEP compliant envelope is shown to create significant additional overshadowing of the Martin Place ground plane during the control times and with a significant reduction of overshadowing on the facade of the Reserve Bank of Australia,

Other times of the year

PROPOSED BUILT FORM MAXIMUM ENVELOPE
The configuration of 60 Martin Place means that almost any additional development outside the existing external envelope will result in an increase in overshadowing at some point in the year. There is a narrow triangle sandwiched between the existing tower and the northern boundary that has zero impact .

It should be noted that the built form maximum envelope defines the maximum envelope and a final design solution will be built within this envelope with a lesser impact.

This report demonstrates that the proposed built form maximum envelope will cause a a strip of additional overshadowing from the east and west edges of the existing building onto the Martin Place ground plane and RBA at other times of the year outside of the control time. It will also have a marginal impact on Hyde Park Barracks between 1:10pm and 2:20pm between the approximate dates of June 6- July 6[note the existing fig tree has not been included in shadow impact and will reduce this considerably].

The minor additional shadow is considered negligible in the dense urban context of Sydney.

LEP COMPLIANT ENVELOPE
In comparison the LEP compliant scheme will result in a significant amount of additional overshadowing on the ground plane with less impact on the southern elevations.

Conclusion

The proposed built form maximum envelope achieves no additional overshadowing in the critical date and time period as specified by Council. This critical date and time period reflects the highest benefit for the maximum number of users of Martin Place. The LEP compliant scheme would result in significant additional overshadowing of the public domain during this period.

Australia

Adelaide
HASSELL
Level 5
70 Hindmarsh Square
Adelaide SA
Australia 5000
T +61 8 8220 5000
E adelaide@hassellstudio.com

Brisbane
HASSELL
36 Warry Street
Fortitude Valley QLD
Australia 4006
T +61 7 3914 4000
E brisbane@hassellstudio.com

Melbourne
HASSELL
61 Little Collins Street
Melbourne VIC
Australia 3000
T +61 3 8102 3000
E melbourne@hassellstudio.com

Perth
HASSELL
Podium Level, Central Park
152 – 158 St Georges Terrace
Perth WA
Australia 6000
T +61 8 6477 6000
E perth@hassellstudio.com

Sydney
HASSELL
Level 2
Pier 8/9, 23 Hickson Road
Millers Point NSW
Australia 2000
T +61 2 9101 2000
E sydney@hassellstudio.com

China

Beijing
HASSELL
Building A7
50 Anjialou
ChaoYang District
Beijing 100125 China
T +8610 5126 6908
E beijing@hassellstudio.com

Chongqing
HASSELL
28F, International Trade Centre
38 Qing Nian Road
Yu Zhong District
Chongqing 400010 China
T +8623 6310 6888
E chongqing@hassellstudio.com

Hong Kong SAR
HASSELL
22F, 169 Electric Road
North Point Hong Kong SAR
T +852 2552 9098
E hongkong@hassellstudio.com

Shanghai
HASSELL
Building 8 Xing Fu Ma Tou
1029 South Zhongshan Road
Huangpu District
Shanghai 200011 China
T +8621 6887 8777
E shanghai@hassellstudio.com

Shenzhen
HASSELL
37F, Landmark
4028 Jintian Road
Futian District
Shenzhen 518035 China
T +86755 2381 1838
E shenzhen@hassellstudio.com

South East Asia

Bangkok
HASSELL
18F, K Tower
209 Sukhumvit Soi 21
Klongtoey-Nua Wattana
Bangkok 10110 Thailand
T +66 2207 8999
E bangkok@hassellstudio.com

Singapore
HASSELL
17A Stanley Street
068736 Singapore
T +65 6224 4688
E singapore@hassellstudio.com

United Kingdom

Cardiff
HASSELL
4th Floor, James William House
9 Museum Place
Cardiff CF10 3BD United Kingdom
T +44 29 2072 9071
E cardiff@hassellstudio.com

London
HASSELL
Level 2, Morelands
17 – 21 Old Street
Clerkenwell
London EC1V 9HL United Kingdom
T +44 20 7490 7669
E london@hassellstudio.com