

B&Q Cricklewood ES Volume III

Appendix 11-2: Overshadowing
Assessment

Montreaux Cricklewood Developments Ltd

July 2020



DAYLIGHT & SUNLIGHT
OVERSHADOWING ASSESSMENTS

B&Q Cricklewood

21 February 2020

GIA No: **15075**

PROJECT DATA:

Client **Montreaux Cricklewood Developments Ltd**
Architect **EPR Architects**
Project Title **B&Q Cricklewood**
Project Number **15075**

REPORT DATA:

Report Title **Transient Overshadowing Assessment**
GIA Department **Daylight & Sunlight**
Dated **21 February 2020**

Prepared by **MM**
Checked by **JF**
Type **ES Appendix**

| Revisions | No: | Date: | Notes: | Signed: |
|-----------|-----|-------|--------|---------|
| | | | | |
| | | | | |
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| | | | | |

SOURCES OF INFORMATION:

Information Received **IR-19-15075**
Release Number **Rel_02_15075_DSD**
Issue Number **02**
Site Photos **GIA**
3D models **VERTEX**
OS Data **FIND Maps**



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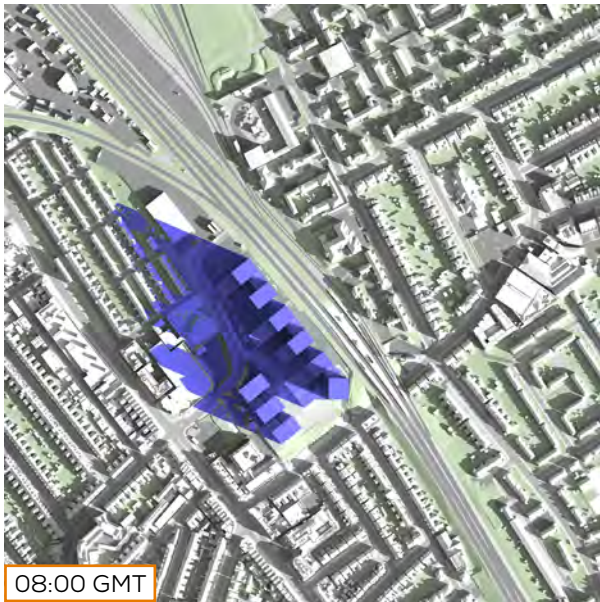
| | |
|--|-----------|
| 1 TRANSIENT OVERSHADOWING | 2 |
| 1.1 21 st March | 2 |
| 1.1 21 st June | 8 |
| 1.1 21 st December | 16 |
| 2 SUN HOURS ON GROUND | 20 |

TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (08:00 - 11:00 GMT)

EXISTING



PROPOSED



CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE

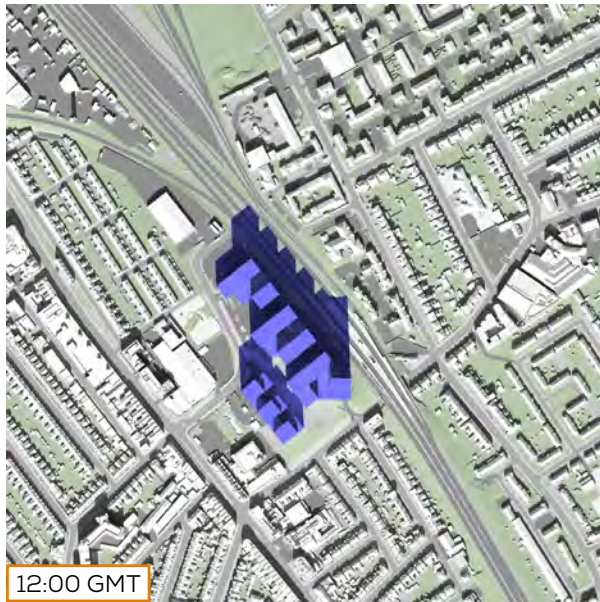


TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (12:00 - 15:00 GMT)

EXISTING



PROPOSED



CUMULATIVE



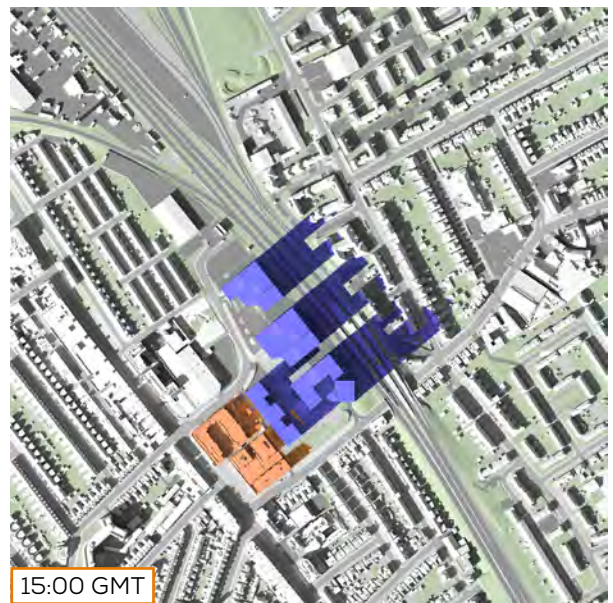
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PROPOSED



CUMULATIVE

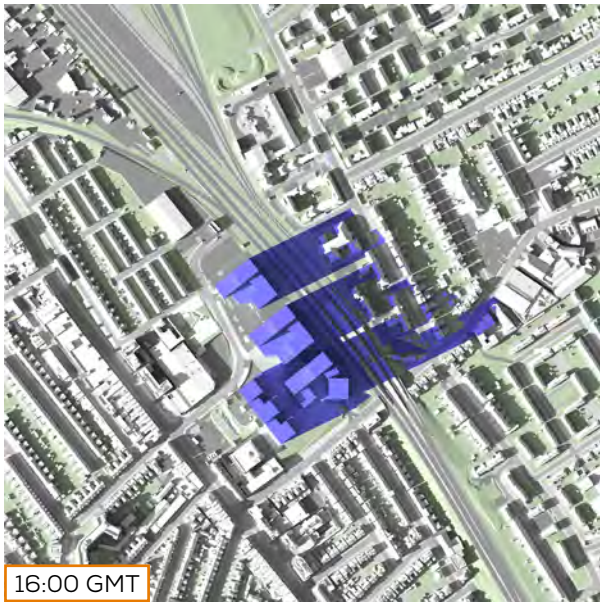


TRANSIENT OVERSHADOWING ASSESSMENT
21ST MARCH (16:00 - 17:00 GMT)

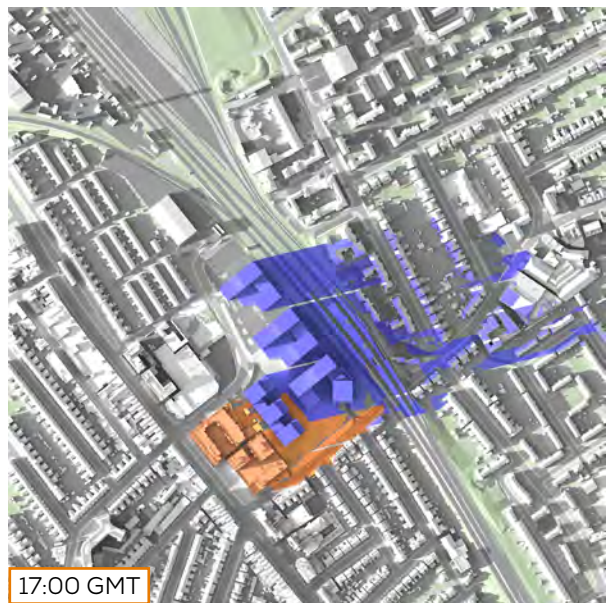
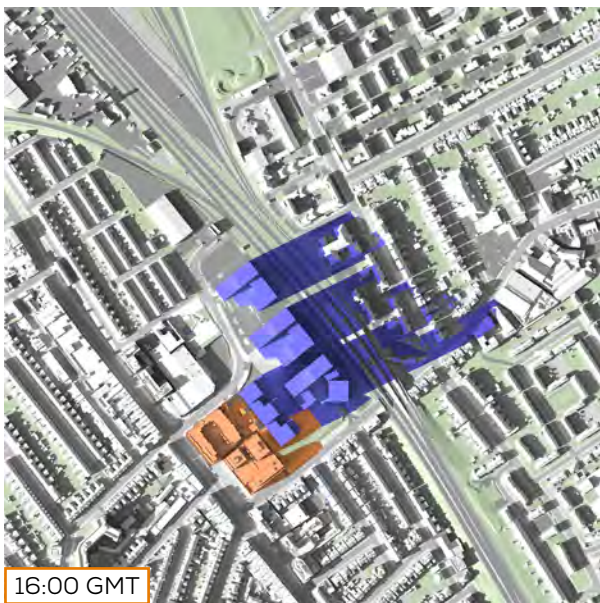
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PROPOSED



CUMULATIVE

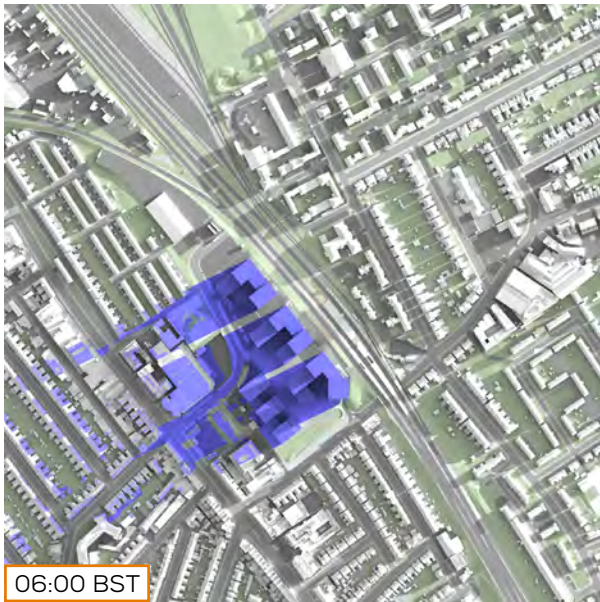


TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (06:00 - 09:00 BST)

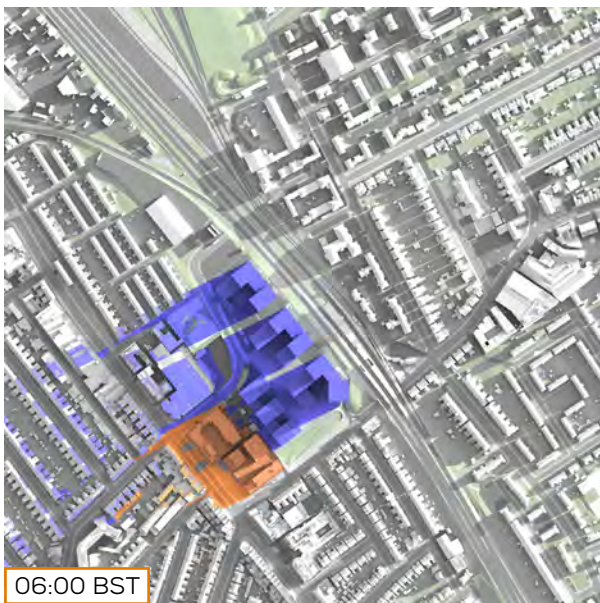
EXISTING



PROPOSED



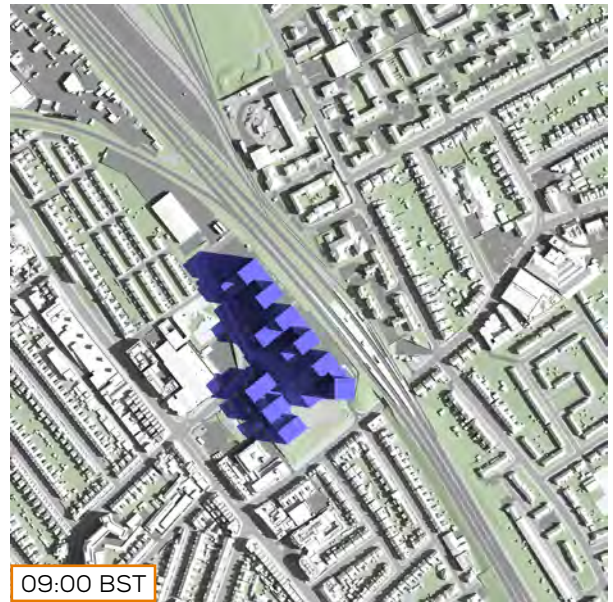
CUMULATIVE



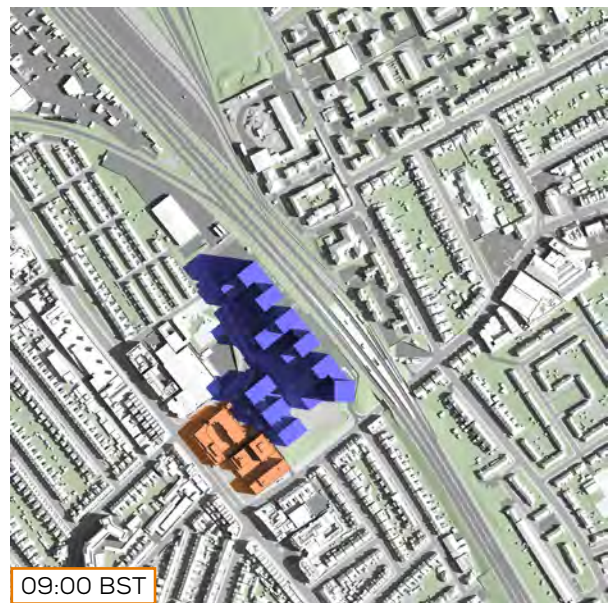
EXISTING



PROPOSED



CUMULATIVE



TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (10:00 - 13:00 BST)

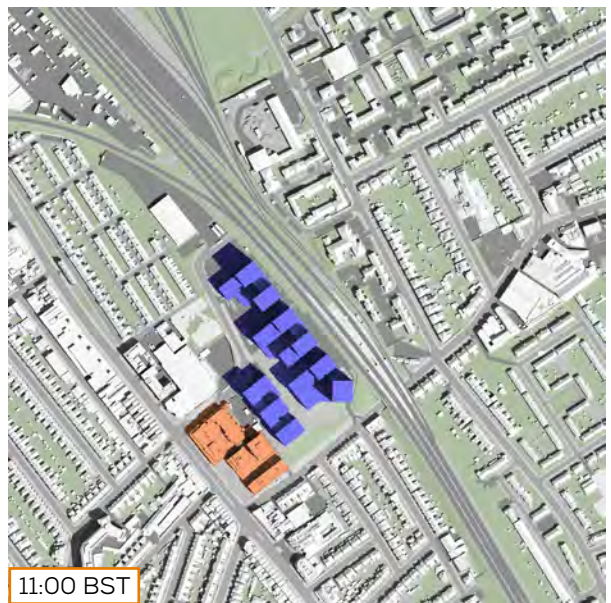
EXISTING



PROPOSED



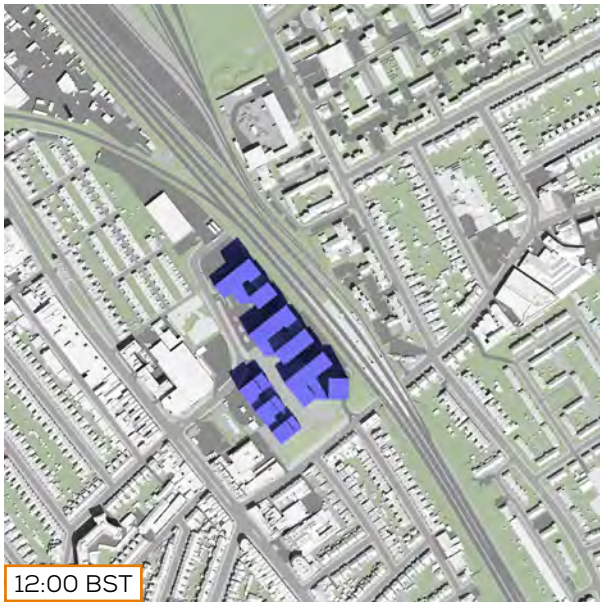
CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE



TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (14:00 - 17:00 BST)

EXISTING



PROPOSED



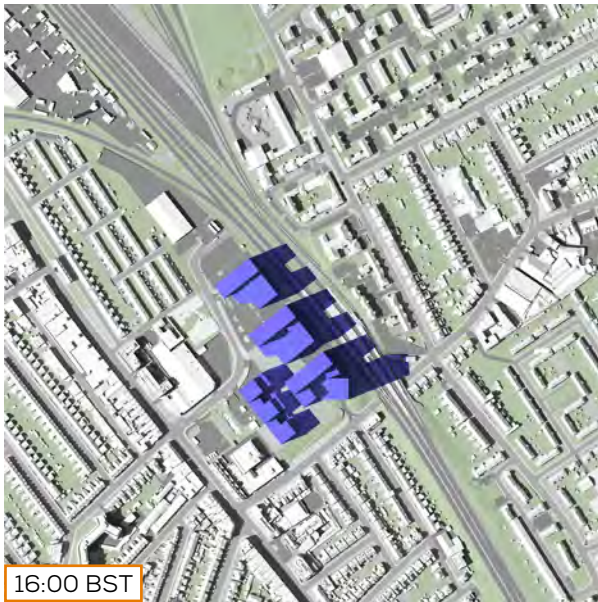
CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE



TRANSIENT OVERSHADOWING ASSESSMENT
21ST JUNE (18:00 - 20:00 BST)

EXISTING



PROPOSED



CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE

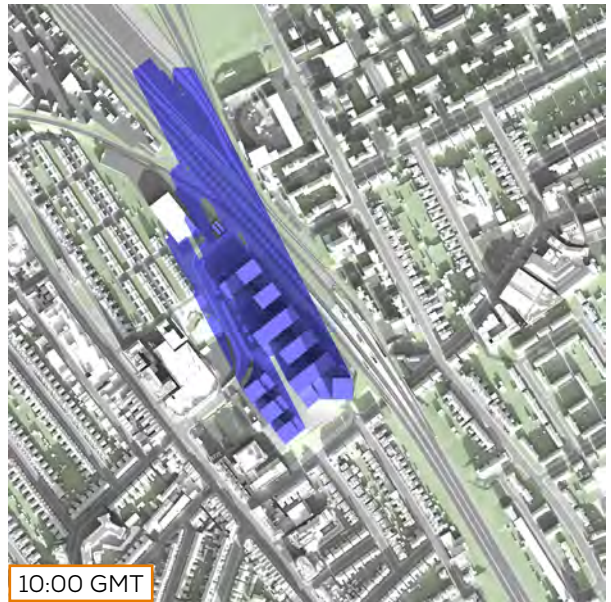
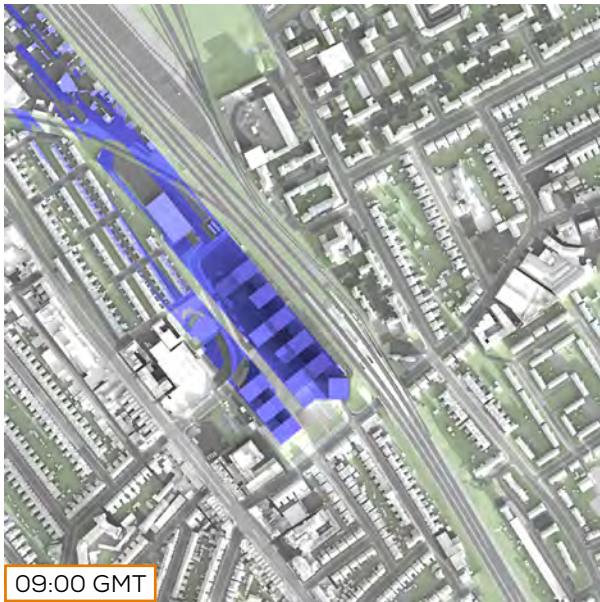


TRANSIENT OVERSHADOWING ASSESSMENT
21ST DECEMBER (09:00 - 12:00 GMT)

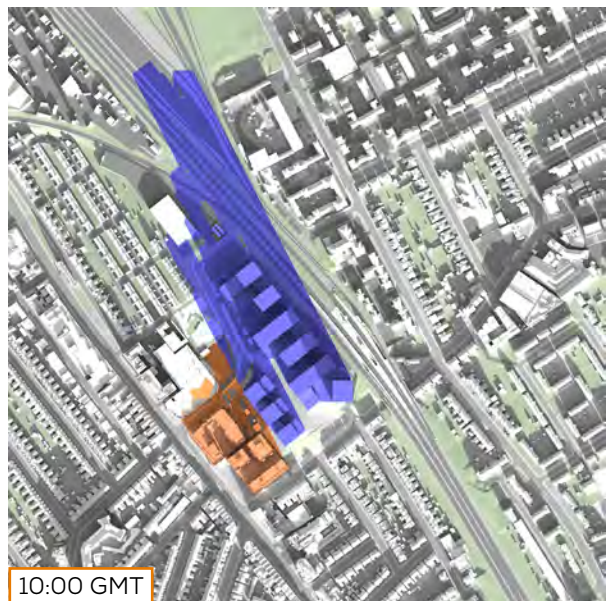
EXISTING



PROPOSED



CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE

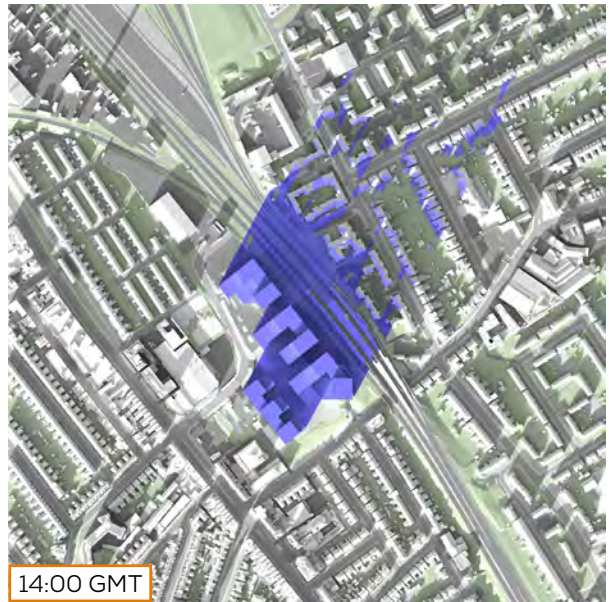


TRANSIENT OVERSHADOWING ASSESSMENT
21ST DECEMBER (13:00 - 15:00 GMT)

EXISTING



PROPOSED



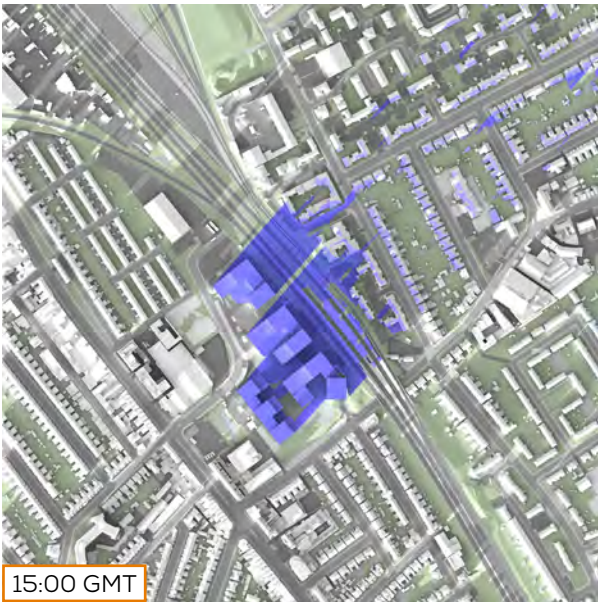
CUMULATIVE



EXISTING



PROPOSED



CUMULATIVE



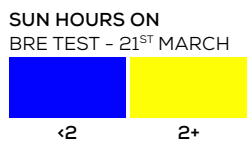
2 SUN HOURS ON GROUND

OVERSHADOWING ASSESSMENT - EXISTING SCENARIO SUN HOURS ON GROUND - BRE TEST

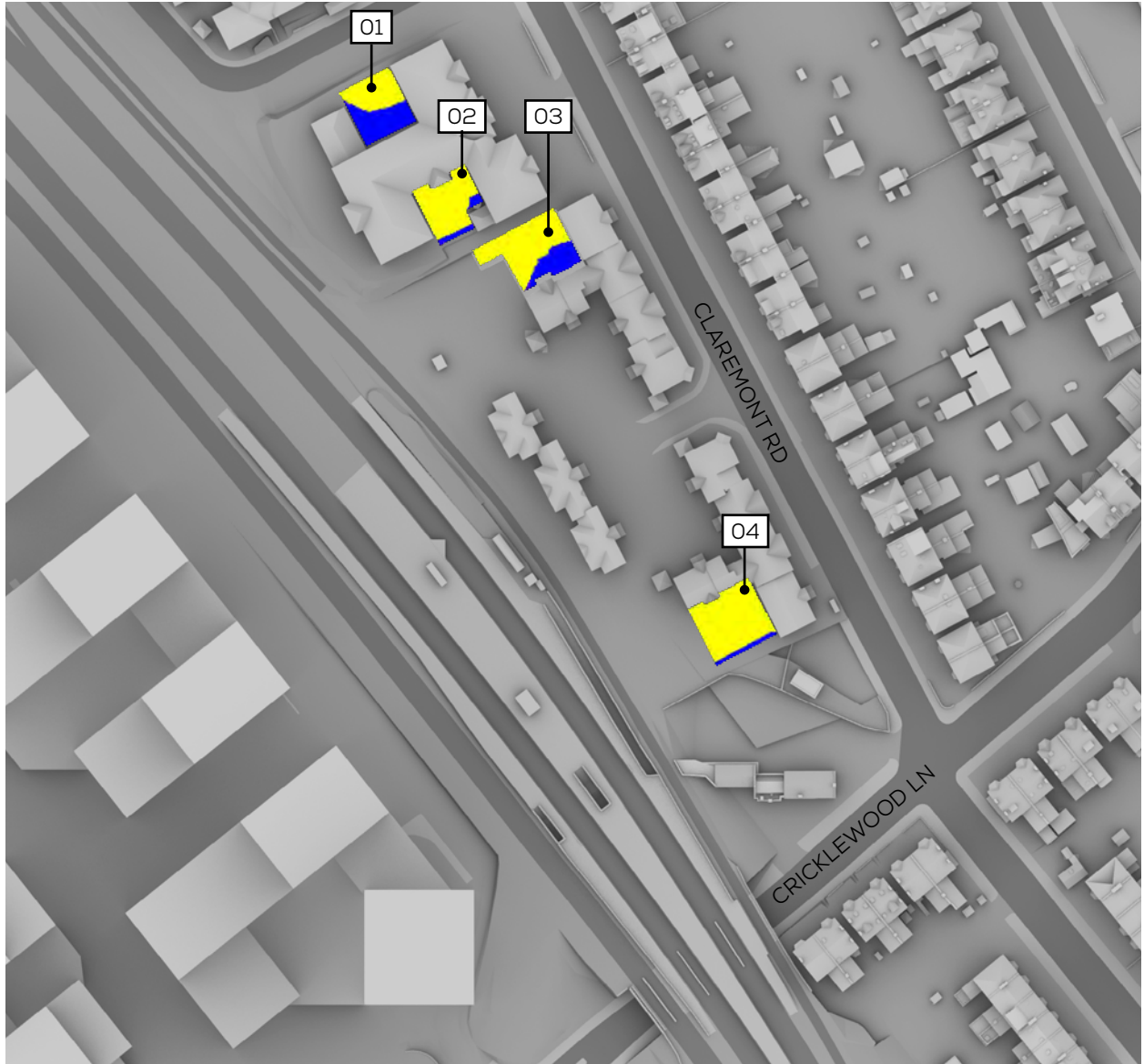


(BRE RECOMMENDS 2+ HOURS OF SUNLIGHT ON 21ST MARCH FOR AT LEAST 50% OF THE OPEN SPACE)

- AREA 1: 53%
- AREA 2: 90%
- AREA 3: 90%
- AREA 4: 97%

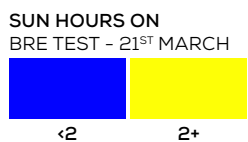


OVERSHADOWING ASSESSMENT - PROPOSED SCENARIO
SUN HOURS ON GROUND - BRE TEST



(BRE RECOMMENDS 2+ HOURS OF SUNLIGHT ON 21ST MARCH FOR AT LEAST 50% OF THE OPEN SPACE)

- AREA 1: 49%**
- AREA 2: 87%**
- AREA 3: 74%**
- AREA 4: 92%**



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