

APPENDICES 11.1-11.5A

Daylight, Sunlight, Overshadowing and Solar Glare Technical Appendices

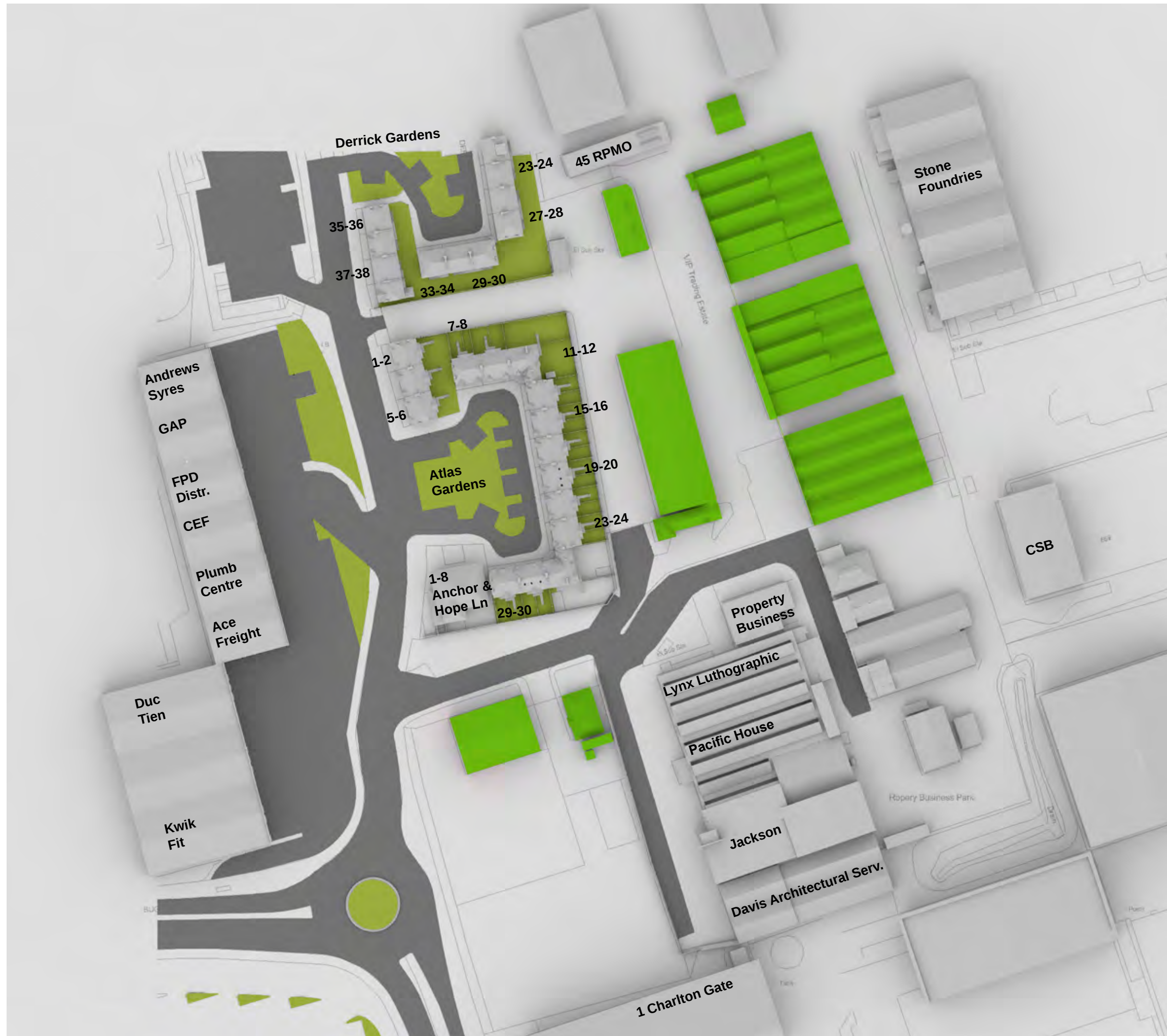


Appendix 11.1A

Drawings showing the baseline and proposed development scenarios

Sources of information

Listed in Appendix 11.1



Key:



Existing



Proposed

NORTH



Project Charlton Riverside
London
SE7 7RY

Title Existing Condition
Plan View

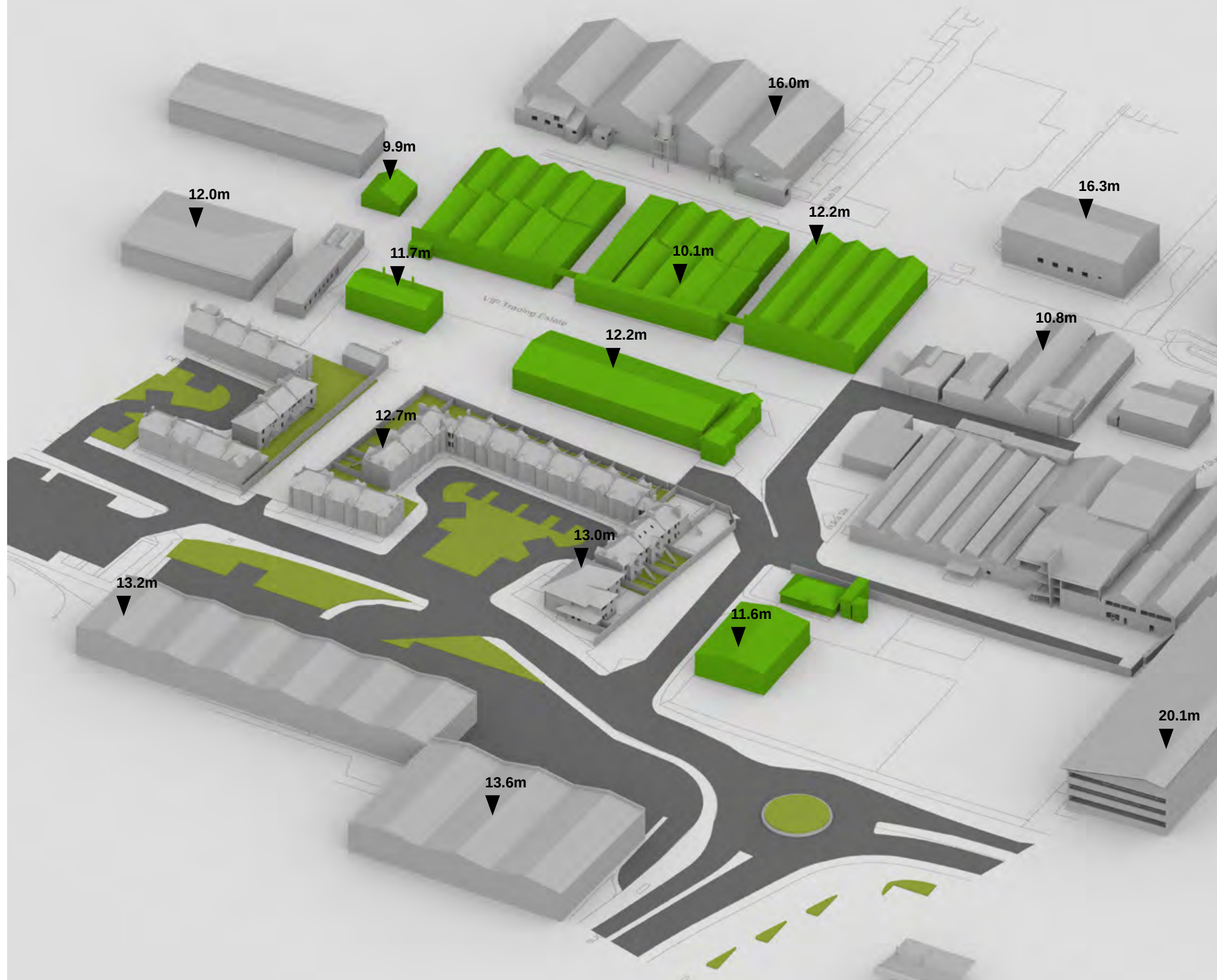
Drawn YH Checked --

Date 27/11/2018 Rel no. 35

Drawing no. 1864-DS01-01

Sources of information

Listed in Appendix 11.1



Key:

- Existing
- Proposed

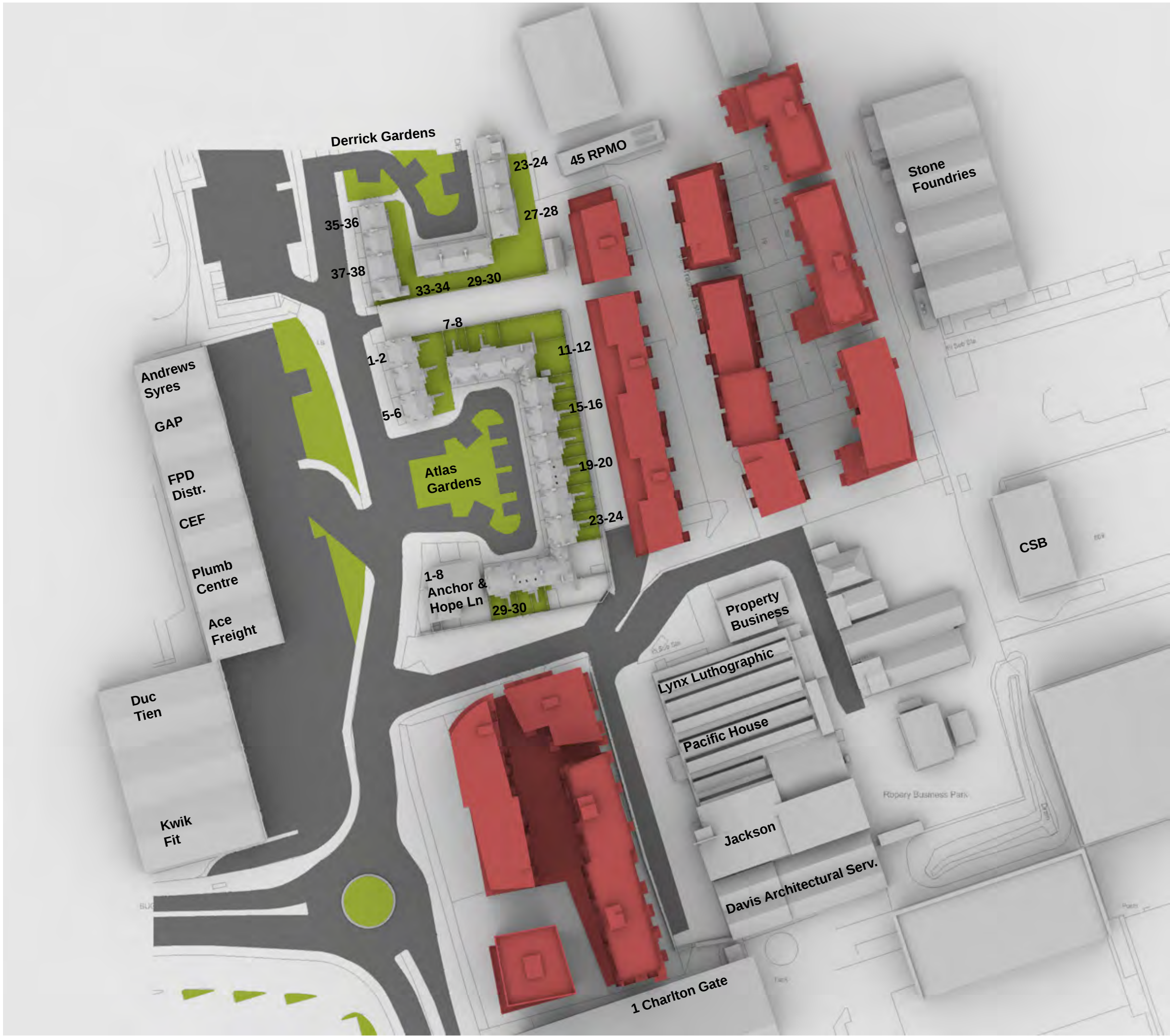
Project Charlton Riverside
London
SE7 7RY

Title Existing Condition
3D View

Drawn YH Checked --

Date 27/11/2018 Rel no. 35

Drawing no. 1864-DS01-02



Sources of information

Listed in Appendix 11.1

Key:

- Existing
- Proposed

NORTH



Project Charlton Riverside
London
SE7 7RY

Title Proposed Development
Plan View

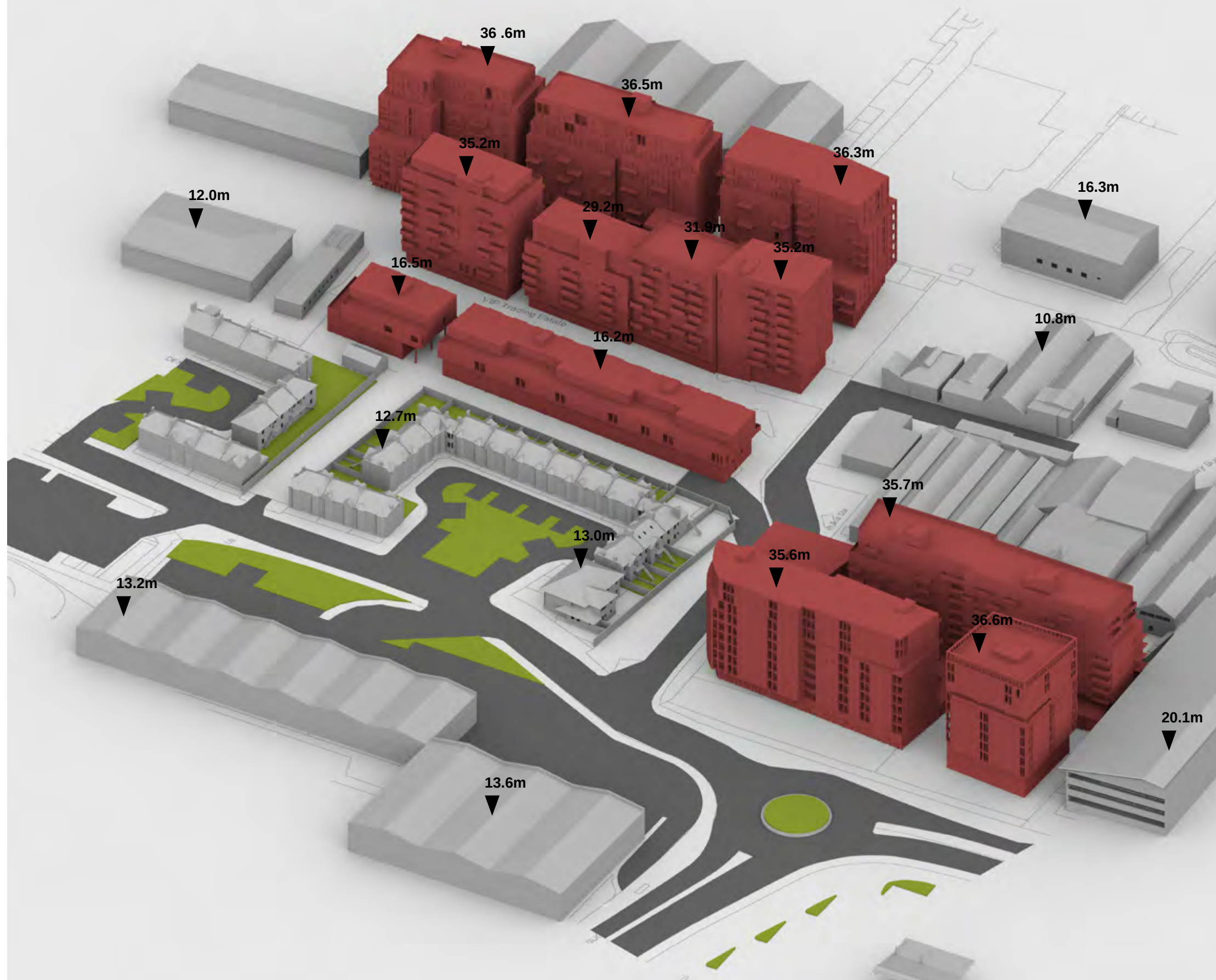
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Date 27/11/2018 Rel no. 35

Drawing no. 1864-DS01-03

Sources of information

Listed in Appendix 11.1



Key:

Existing

Proposed

Project Charlton Riverside
 London
 SE7 7RY

Title Proposed Development
 3D View

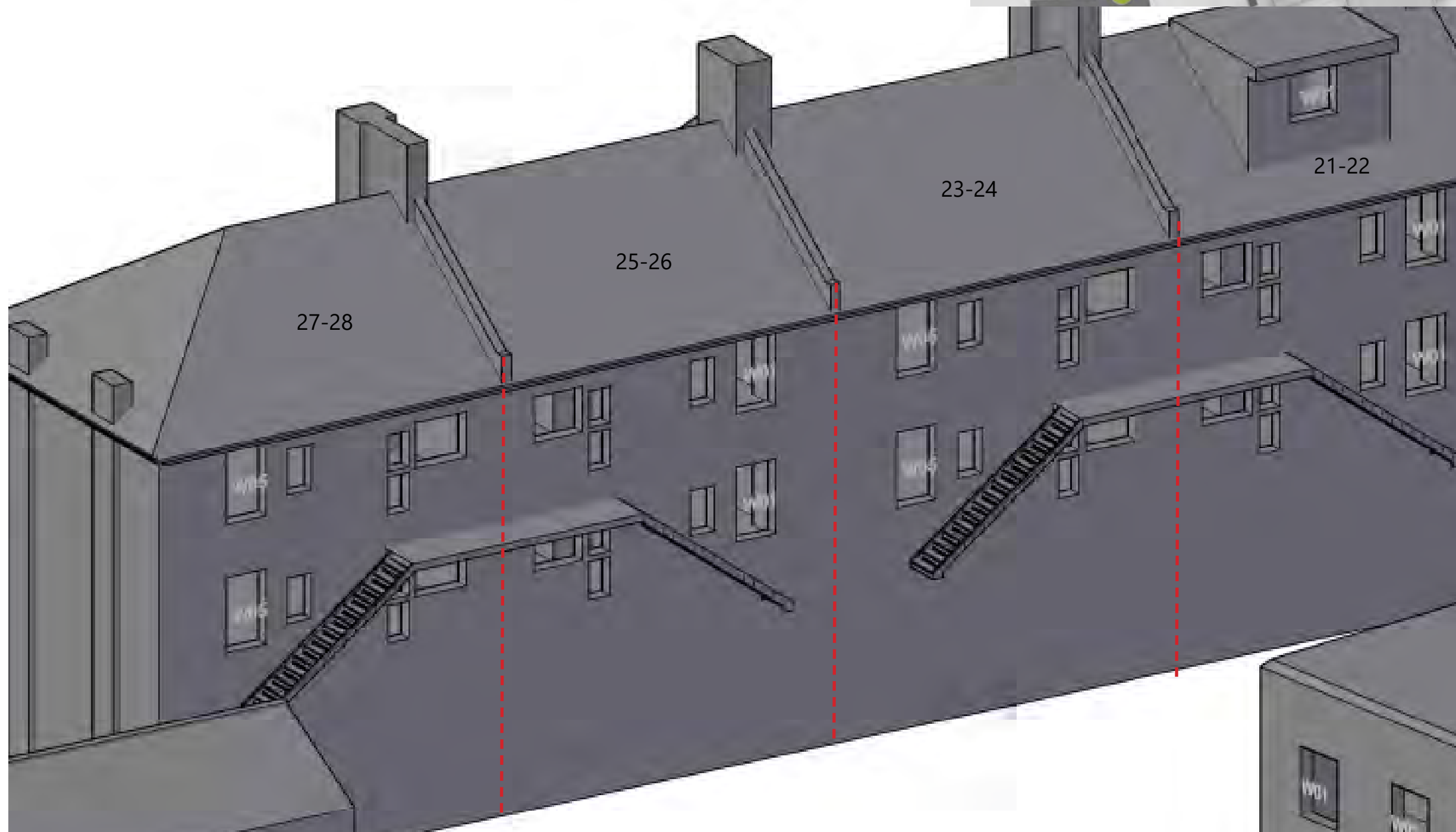
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Date 27/11/2018 Rel no. 35

Drawing no. 1864-DS01-04

Sources of information

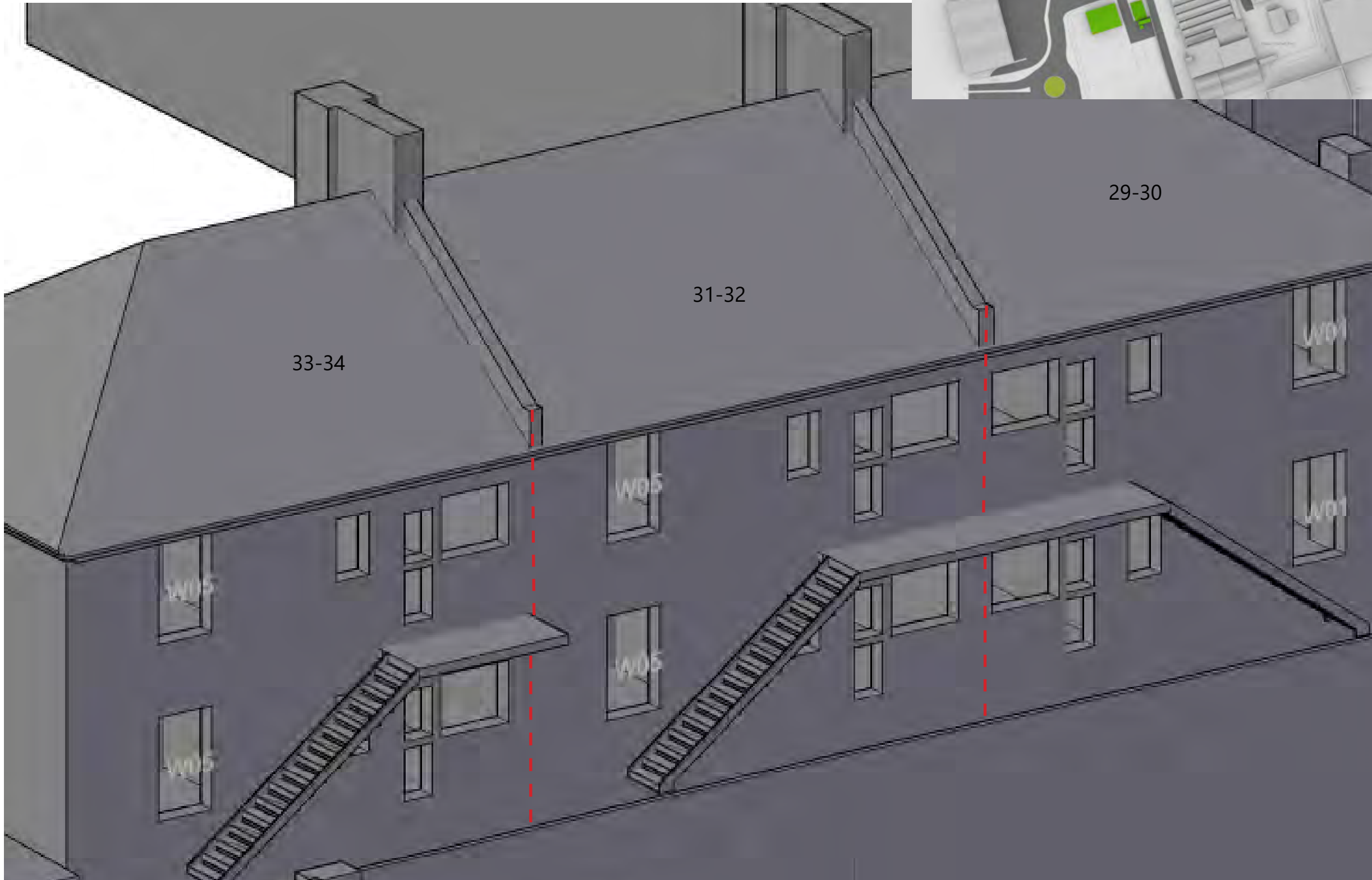
See Sources of information sheet in
Appendix 11.1



Project	Charlton Riverside Greenwich London		
Title	21-22, 23-24, 25-26, 27-28 Derrick Gardens Window Map		
Drawn	AP	Checked	PS
Date	15/10/2018	Rel no.	34
Drawing no.	1864-WM09		

Sources of information

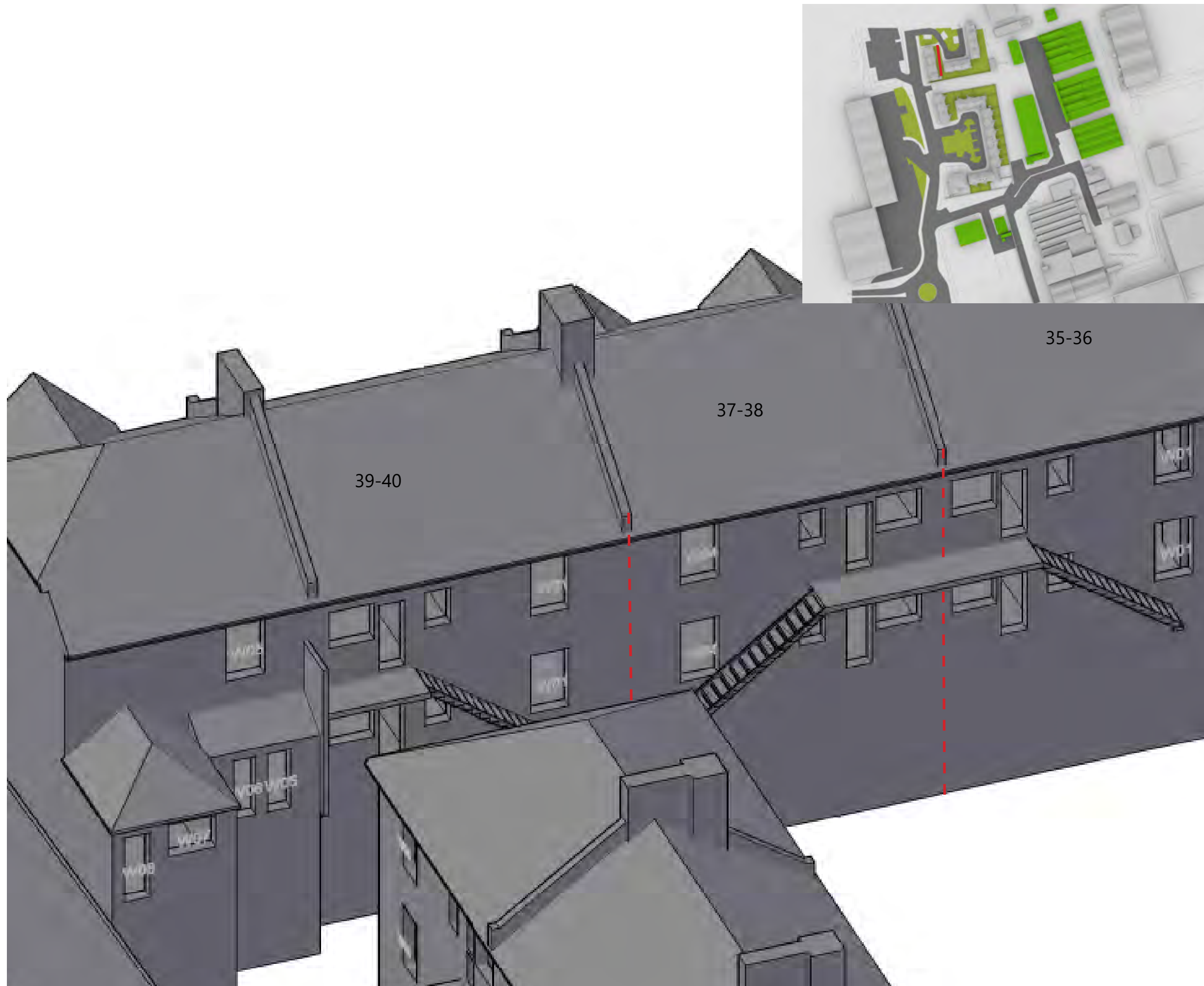
See Sources of information sheet in
Appendix 11.1



Project	Charlton Riverside Greenwich London		
Title	29-30, 31-32, 33-34 Derrick Gar- dens Window Map		
Drawn	AP	Checked	PS
Date	15/10/2018	Rel no.	34
Drawing no.	1864-WM10		

Sources of information

See Sources of information sheet in
Appendix 11.1



Project Charlton Riverside
Greenwich
London

Title 35-36, 37-38, 39-40 Derrick Gar-
dens
Window Map

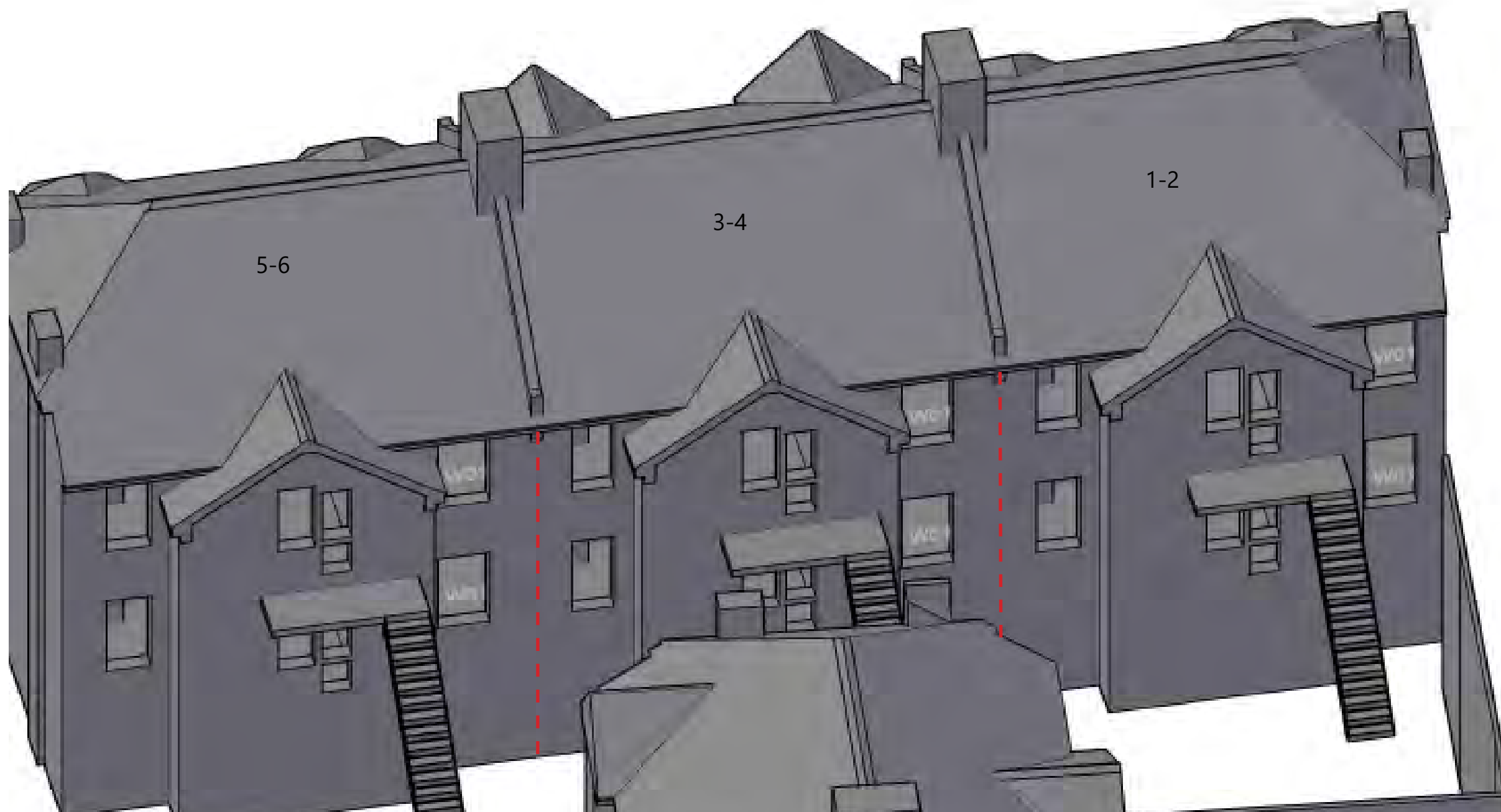
Drawn AP Checked PS

Date 15/10/2018 Rel no. 34

Drawing no. 1864-WM11

Sources of information

See Sources of information sheet in
Appendix 11.1



Project Charlton Riverside
Greenwich
London

Title 1-2, 3-4, 5-6 Atlas Gardens
Window Map

Drawn	AP	Checked	PS
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Date	15/10/2018	Rel no.	34
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Drawing no.	1864-WM12
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Sources of information

See Sources of information sheet in
Appendix 11.1



Project Charlton Riverside
Greenwich
London

Title 7-8, 9-10, 11-12 Atlas Gardens
Window Map

Drawn AP Checked PS

Date 15/10/2018 Rel no. 34

Drawing no. 1864-WM13

Sources of information

See Sources of information sheet in
Appendix 11.1



Project	Charlton Riverside Greenwich London		
Title	11-12 Atlas Gardens (Rear view) Window Map		
Drawn	AP	Checked	PS
Date	15/10/2018	Rel no.	34
Drawing no.	1864-WM14		

Sources of information

See Sources of information sheet in
Appendix 11.1



Project Charlton Riverside
Greenwich
London

Title 11-12, 13-14, 15-16 Atlas Gardens
Window Map

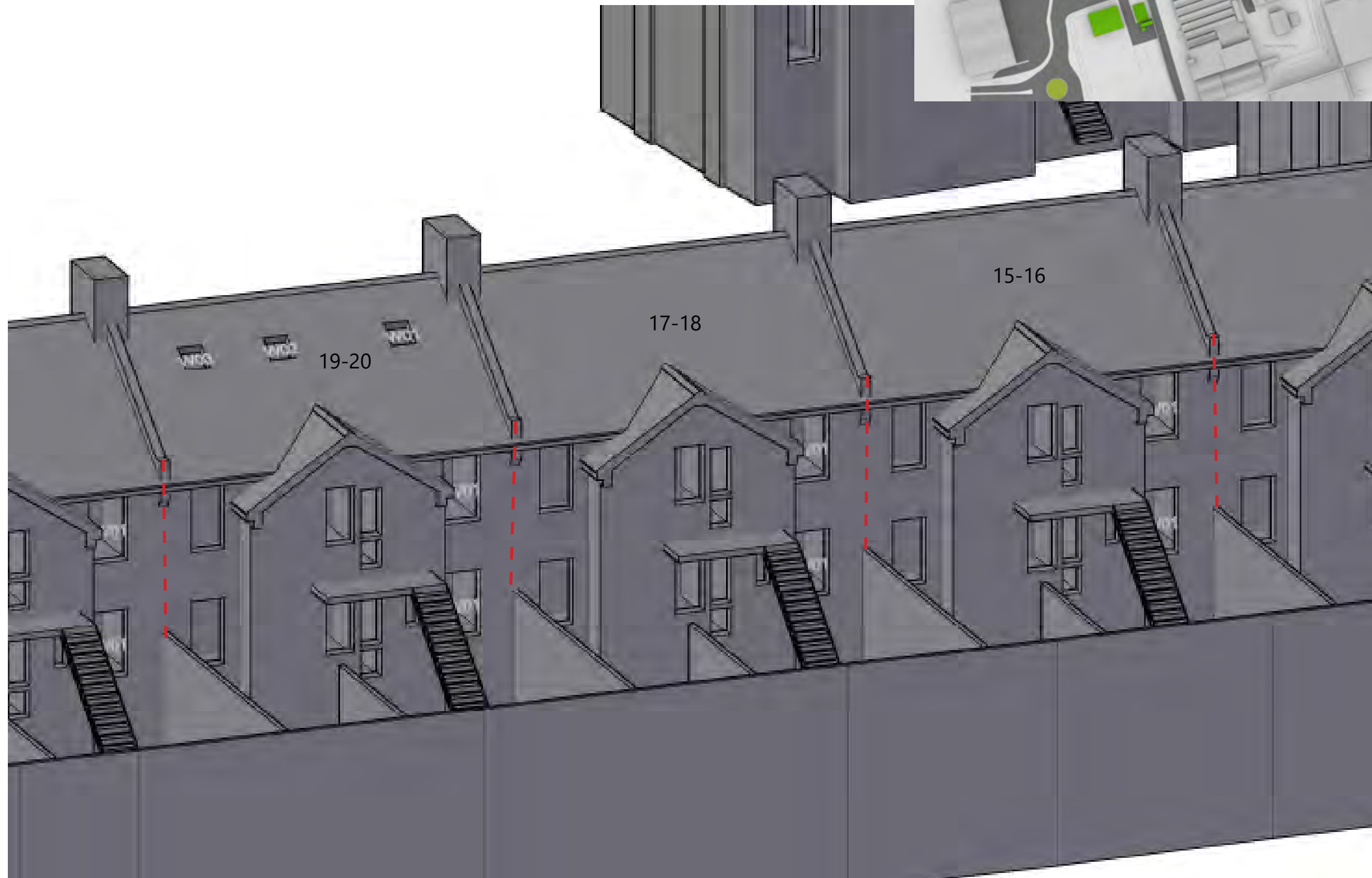
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Date 15/10/2018 Rel no. 34

Drawing no. 1864-WM15

Sources of information

See Sources of information sheet in
Appendix 11.1

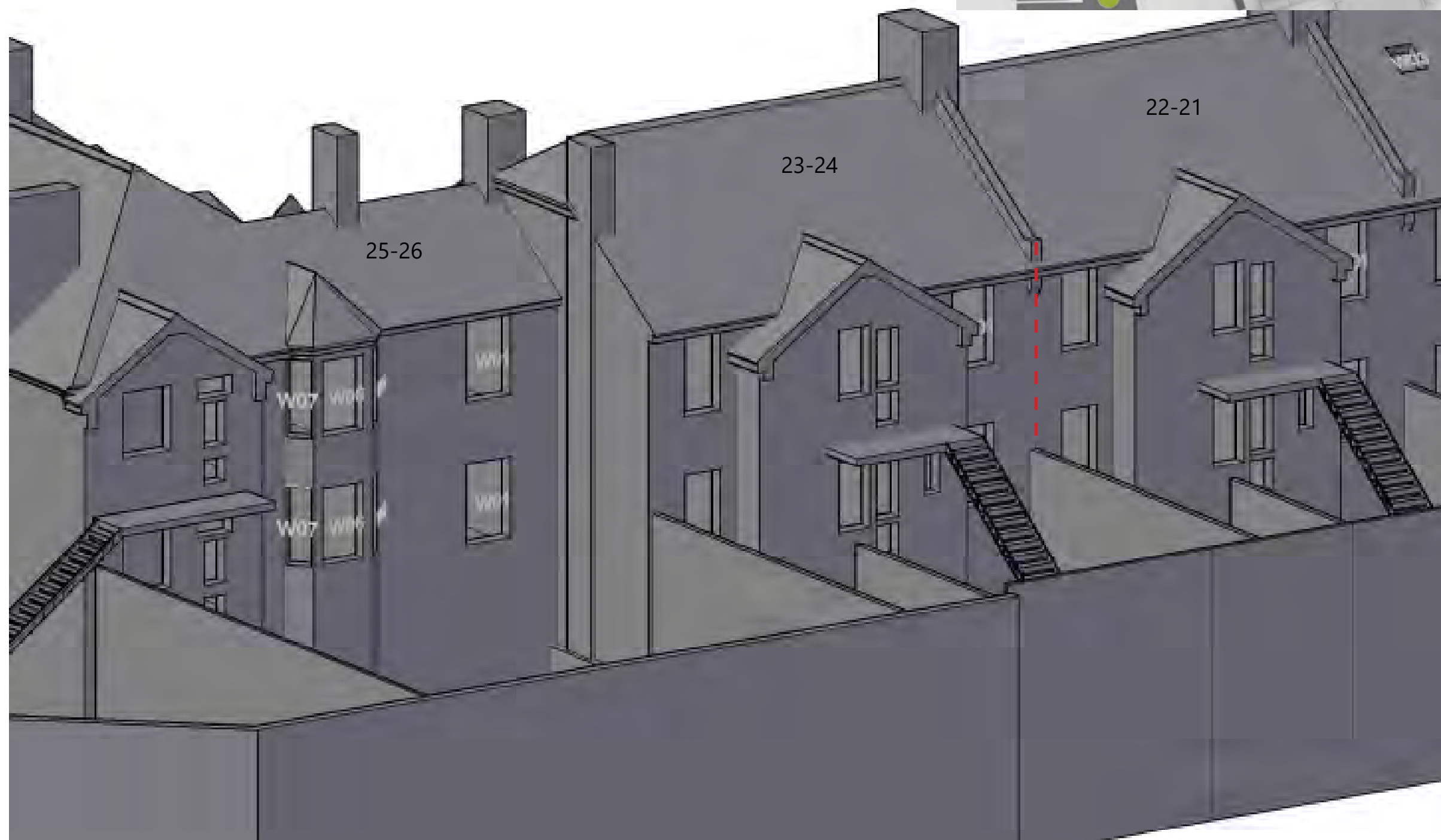


Project	Charlton Riverside Greenwich London		
Title	15-16, 17-18, 19-20 Atlas Gardens Window Map		

Drawn	AP	Checked	PS
Date	15/10/2018	Rel no.	34
Drawing no.	1864-WM16		

Sources of information

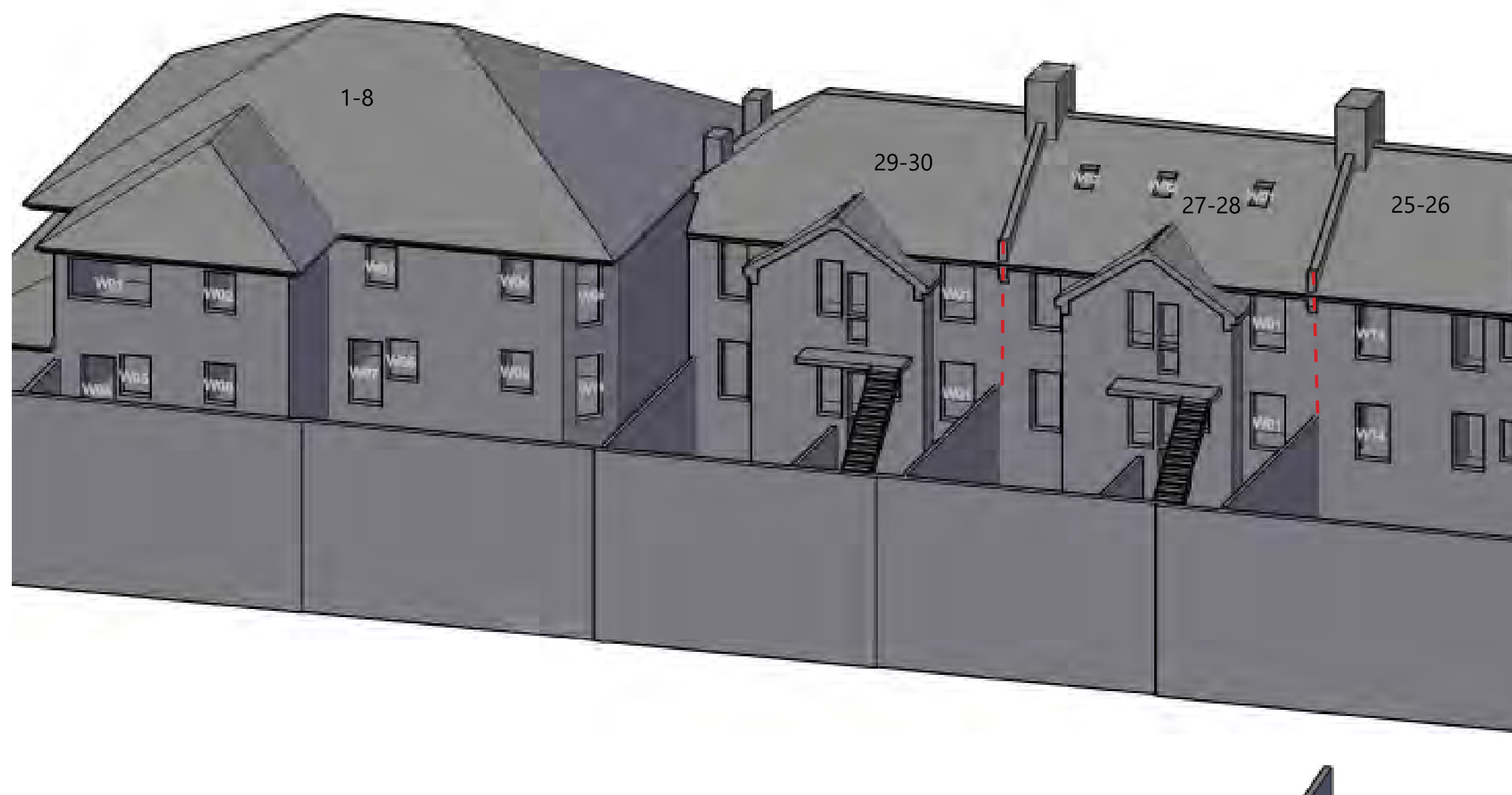
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Appendix 11.1



Project	Charlton Riverside Greenwich London		
Title	21-22, 23-24, 25-26 Atlas Gar- dens Window Map		
Drawn	AP	Checked	PS
Date	15/10/2018	Rel no.	34
Drawing no.	1864-WM17		

Sources of information

See Sources of information sheet in
Appendix 11.1



Project Charlton Riverside
Greenwich
London

Title 25-26, 27-28, 29-30 Atlas Gar-
dens,
1-8 Anchor & Hope Ln

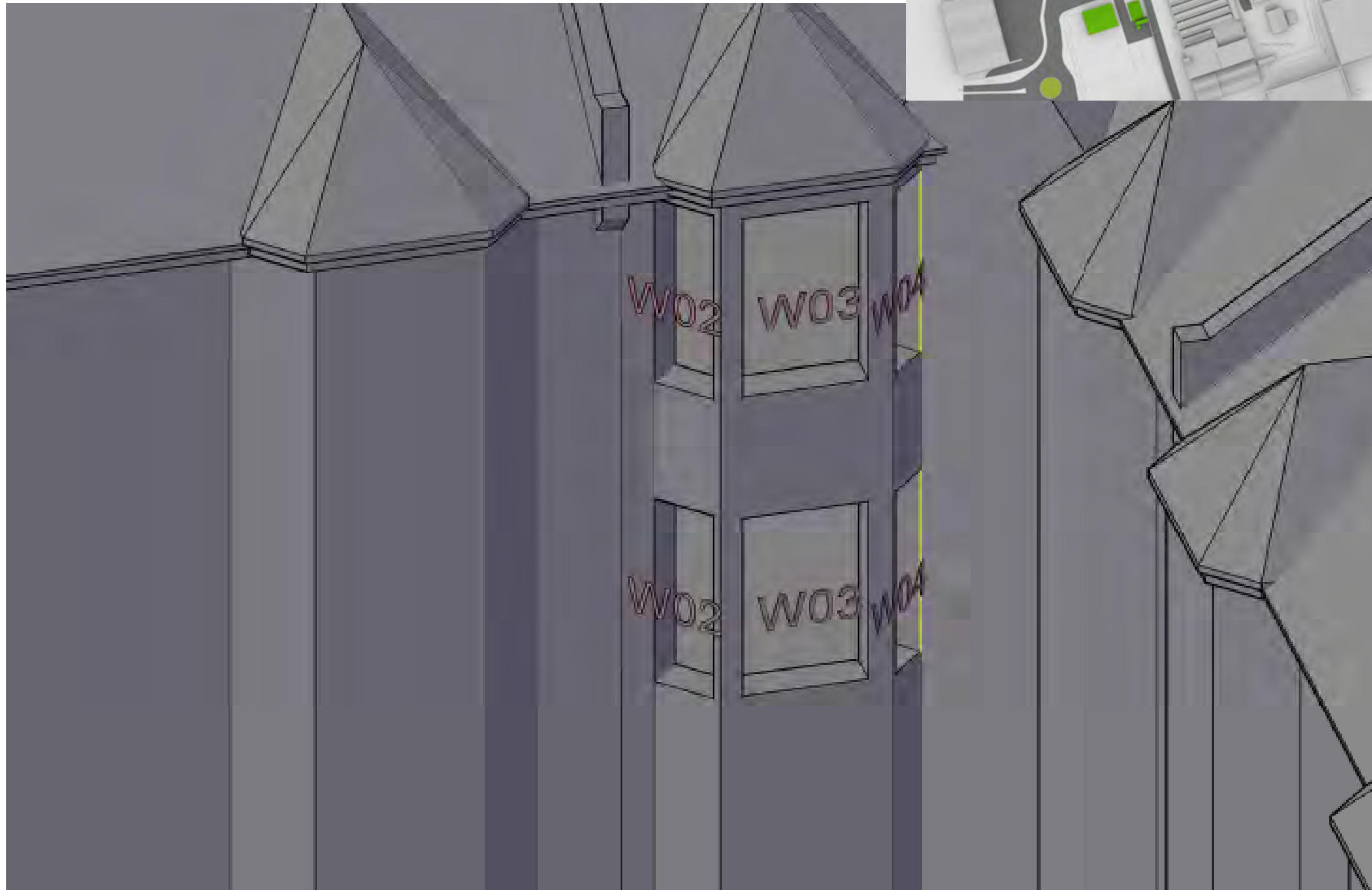
Drawn AP Checked PS

Date 15/10/2018 Rel no. 34

Drawing no. 1864-WM18

Sources of information

See Sources of information sheet in
Appendix 11.1



Project Charlton Riverside
Greenwich
London

Title 25-26 Atlas Gardens
(Rear view)
Window Map

Drawn	AP	Checked	PS
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Date	15/10/2018	Rel no.	34
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Drawing no.	1864-WM19
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Sources of information

Cloud 10 Ltd

Charlton ROL-26-10-16-Meters.dwg

Received 25/10/2016

Rockwell Residential

22384_OGL_Rev-1.dwg

Received 24/10/2016

SimpsonHaugh

10046-A-DRG-A-F900-2000-PL-RS.dwg
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20/11/18

eb7 Ltd

Site photographs
Ordnance Survey



Appendix 11.2A

Detailed daylight; Vertical Sky Component (VSC), No Sky-Line Contour (NSC), Average Daylight Factor (ADF) and sunlight; Annual Probable Sunlight Hours (APSH) results for existing surrounding properties

Address	Room	Window	Room Use	Existing VSC	Proposed VSC	Loss	Loss %	Room Area	Existing NSC	Proposed NSC	Loss	Loss %	Existing ADF Window	Proposed ADF Window	Existing APSH Total	Proposed APSH Total	Total Retained	Winter Retained
1-2 Atlas Gardens																		
Ground	R1	W01-L	Bedroom	27.3	24.9	2.4	8.8	127.9	123.3	123.3	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.2	1.1				
First	R1	W01-L	Bedroom	31.5	28.9	2.6	8.4	127.9	123.7	123.7	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.3	1.2				
3-4 Atlas Gardens																		
Ground	R1	W01-L	Bedroom	23.5	22.2	1.3	5.7	138.6	124.7	124.7	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.0	1.0				
First	R1	W01-L	Bedroom	30.1	28.6	1.5	5.0	138.6	133.6	133.6	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.2	1.1				
5-6 Atlas Gardens																		
Ground	R1	W01-L	Bedroom	21.7	21.1	0.5	2.4	138.6	117.1	117.1	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.0	1.0				
First	R1	W01-L	Bedroom	29.2	28.1	1.1	3.7	138.6	133.6	133.6	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.2	1.1				
7-8 Atlas Gardens																		
Ground	R1	W01-L	Bedroom	25.5	25.5	0.0	0.0	138.6	131.7	131.7	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.1	1.1				
First	R1	W01-L	Bedroom	30.0	30.0	0.0	0.0	138.6	133.3	133.3	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.2	1.2				
9-10 Atlas Gardens																		
Ground	R1	W01-L	Bedroom	25.7	25.7	0.0	0.0	138.6	131.4	131.4	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.1	1.1				
First	R1	W01-L	Bedroom	29.8	29.8	0.0	0.0	138.6	133.5	133.5	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.2	1.2				
11-12 Atlas Gardens																		
Ground	R1	W01-L	Bedroom	34.6	33.0	1.6	4.7	135.8	131.9	131.9	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A
		W01-U											1.3	1.3				

Address	Room	Window	Room Use	Existing	Proposed	Loss	Loss	Room Area	Existing	Proposed	Loss	Loss	Existing ADF		Proposed ADF		Existing APSH		Proposed APSH		Total	Winter
				VSC	VSC		%		NSC	NSC		%	Window	Total	Window	Total	Total	Winter	Total	Winter	Retained	Retained
Ground	R4	W08	Bedroom	25.2	18.6	6.5	26.0	119.1	116.9	114.6	2.3	1.9	0.6		0.5		N/A	N/A	N/A	N/A	N/A	N/A
	R4	W09		34.3	25.9	8.4	24.5						1.6		1.3		N/A	N/A	N/A	N/A	N/A	N/A
	R4	W10		23.4	18.1	5.3	22.7						0.6	2.8	0.5	2.3	30	3	21	1	0.7	0.3
Ground	R5	W11-L	Bedroom	25.2	19.6	5.7	22.5	154.4	154.4	154.1	0.3	0.2	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W11-U											1.1		0.9							
	R5	W12		7.6	7.6	0.0	0.0						0.2		0.2		N/A	N/A	N/A	N/A	N/A	N/A
	R5	W13		24.4	24.2	0.2	0.7						1.0		1.0		44	15	44	15	1.0	1.0
	R5	W14		26.6	26.2	0.4	1.5															
				0.5	2.8	0.5	2.6	43	14	43	14	1.0	1.0									
First	R1	W01-L	Bedroom	35.2	33.7	1.5	4.3	135.8	131.6	131.5	0.1	0.1	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U												1.3	1.3	1.2	1.3					
First	R4	W08-L	Unknown	28.2	22.0	6.2	22.0	119.1	117.8	114.7	3.1	2.6	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W08-U											0.6		0.5							
	R4	W09-L		36.7	28.5	8.2	22.3						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W09-U											1.5		1.2							
	R4	W10-L		27.7	22.3	5.3	19.3															
		W10-U											0.0		0.0		40	6	31	3	0.8	0.5
													0.6	2.8	0.5	2.3						
First	R5	W11-L	Bedroom	29.1	22.6	6.5	22.2	154.5	154.5	154.5	0.0	0.0	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W11-U											1.2		1.0							
	R5	W12-L		13.1	13.1	0.0	0.0						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W12-U											0.2		0.2							
	R5	W13-L		31.2	31.0	0.2	0.6						0.0		0.0		49	17	49	17	1.0	1.0
		W13-U																				
	R5	W14-L		28.4	28.0	0.4	1.5															
		W14-U											0.0		0.0		47	15	47	15	1.0	1.0
													0.4	3.0	0.4	2.8						
13-14 Atlas Gardens																						
Ground	R1	W01-L	Bedroom	26.8	19.8	7.0	26.2	138.6	131.4	101.9	29.5	22.5	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U												1.1	1.1	0.9	0.9					
First	R1	W01-L	Bedroom	31.9	24.6	7.3	22.8	138.6	133.5	131.0	2.5	1.9	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.3	1.3	1.1	1.1						
15-16 Atlas Gardens																						
Ground	R1	W01-L	Bedroom	26.0	19.4	6.6	25.4	138.6	131.4	103.7	27.8	21.1	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U												1.1	1.1	0.9	0.9					
First	R1	W01-L	Bedroom	31.1	24.0	7.1	22.7						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A

Address	Room	Window	Room Use	Existing VSC	Proposed VSC	Loss	Loss %	Room Area	Existing NSC	Proposed NSC	Loss	Loss %	Existing ADF Window Total		Proposed ADF Window Total		Existing APSH Total Winter		Proposed APSH Total Winter		Total Retained	Winter Retained
W01-U								138.6	133.7	129.7	4.0	3.0	1.3	1.3	1.1	1.1						
17-18 Atlas Gardens																						
Ground	R1	W01-L	Bedroom	25.9	19.5	6.5	25.0	138.6	131.4	101.0	30.5	23.2	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.1	1.1	0.9	0.9						
First	R1	W01-L	Bedroom	31.2	24.1	7.1	22.7	138.6	133.6	126.6	7.1	5.3	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.3	1.3	1.1	1.1						
19-20 Atlas Gardens																						
Ground	R1	W01-L	Bedroom	26.3	19.8	6.6	24.9	138.6	131.6	100.4	31.3	23.7	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.1	1.1	0.9	0.9						
First	R1	W01-L	Bedroom	31.6	24.5	7.1	22.5	138.6	133.6	124.2	9.4	7.0	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.3	1.3	1.1	1.1						
Second	R1	W01	Unknown	85.7	80.5	5.2	6.1	138.6	115.3	115.3	0.0	0.0	0.8	0.8	0.8	0.8	N/A	N/A	N/A	N/A	N/A	N/A
Second	R2	W02	Unknown	86.9	81.8	5.1	5.9	86.3	70.9	70.9	0.0	0.0	1.1	1.1	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A
Second	R3	W03	Unknown	85.6	80.6	5.0	5.9	67.4	52.3	52.3	0.0	0.0	1.3	1.3	1.3	1.3	N/A	N/A	N/A	N/A	N/A	N/A
21-22 Atlas Gardens																						
Ground	R1	W01-L	Bedroom	26.2	19.7	6.5	24.9	138.6	131.0	103.8	27.2	20.7	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.1	1.1	0.9	0.9						
First	R1	W01-L	Bedroom	31.5	24.6	6.9	21.9	138.6	133.3	123.9	9.4	7.1	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.3	1.3	1.1	1.1						
23-24 Atlas Gardens																						
Ground	R1	W01-L	Bedroom	26.2	19.7	6.5	24.8	138.6	131.0	104.8	26.1	19.9	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.1	1.1	0.9	0.9						
First	R1	W01-L	Bedroom	31.6	24.8	6.8	21.6	138.6	133.2	123.8	9.4	7.1	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.3	1.3	1.1	1.1						
25-26 Atlas Gardens																						
Ground	R1	W01-L	Bedroom	26.3	22.7	3.6	13.7						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.1		1.0							

Address	Room	Window	Room Use	Existing	Proposed	Loss	Loss	Room Area	Existing	Proposed	Loss	Loss	Existing ADF		Proposed ADF		Existing APSH		Proposed APSH		Total	Winter
				VSC	VSC		%			%	Window	Total	Window	Total	Total	Winter	Total	Winter	Retained	Retained		
Ground	R1	W02		27.2	27.2	0.0	0.0	155.7	155.7	155.7	0.0	0.0	0.6		0.6		N/A	N/A	N/A	N/A	N/A	N/A
	R1	W03		24.6	24.6	0.0	0.0						1.0		1.0		14	0	14	0	1.0	0.0
	R1	W04		7.8	7.8	0.0	0.0						0.2	2.9	0.2	2.8	12	0	12	0	1.0	0.0
	R2	W05	Unknown	23.4	19.1	4.3	18.2	0.6		0.5		N/A	N/A	N/A	N/A	N/A	N/A					
	R2	W06	34.6	30.1	4.5	12.9	1.6		1.4		N/A	N/A	N/A	N/A	N/A	N/A						
	R2	W07	25.7	23.9	1.8	6.8	119.1	116.9	115.1	1.8	1.6	0.6	2.8	0.6	2.6	31	3	27	3	0.9	1.0	
Ground	R5	W14-L	Bedroom	35.6	28.8	6.8	19.1	135.8	131.6	106.7	25.0	19.0	0.0		0.0		82	27	72	17	0.9	0.6
		W14-U											1.3	1.4	1.1	1.1						
First	R1	W01-L	Bedroom	29.0	25.5	3.5	11.9						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U											1.2		1.1							
	R1	W02-L	29.2	29.2	0.0	0.0	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A						
		W02-U					0.5		0.5													
	R1	W03-L	31.3	31.3	0.0	0.0	0.0		0.0		36	2	36	2	1.0	1.0						
		W03-U					1.1		1.1													
First	R1	W04-L		13.2	13.2	0.0	0.0	155.7	155.7	155.7	0.0	0.0	0.0		0.0		21	0	21	0	1.0	0.0
		W04-U											0.2	3.2	0.2	3.1						
	R2	W05-L	Bedroom	27.6	23.3	4.4	15.8						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W05-U											0.6		0.5							
	R2	W06-L	36.7	32.1	4.5	12.4	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A						
		W06-U					1.5		1.4													
First	R2	W07-L	Bedroom	28.7	26.9	1.7	6.1	119.1	118.0	115.8	2.2	1.9	0.0		0.0		38	6	35	6	0.9	1.0
		W07-U											0.6	2.8	0.6	2.6						
	R5	W14-L	Bedroom	35.7	29.4	6.3	17.7	135.8	131.6	120.7	10.9	8.3	0.0		0.0		81	28	71	18	0.9	0.6
		W14-U											1.3	1.3	1.1	1.1						
	27-28 Atlas Gardens																					
	Ground	R1	W01-L	Bedroom	27.8	22.1	5.7	20.5	138.6	131.7	121.1	10.7	8.1	0.0		0.0		59	18	51	10	0.9
W01-U								1.2						1.2	1.0	1.0						
First	R1	W01-L	Bedroom	31.9	26.0	5.8	18.3	138.6	133.6	133.2	0.4	0.3	0.0		0.0		72	22	62	12	0.9	0.5
		W01-U											1.3	1.3	1.1	1.1						
Second	R2	W01	Unknown	85.2	80.7	4.5	5.3	107.4	83.5	83.1	0.3	0.4	1.0	1.0	1.0	1.0	94	30	88	24	0.9	0.8
Second	R3	W02	Unknown	85.9	81.2	4.7	5.5	49.3	36.5	36.5	0.0	0.0	1.6	1.6	1.6	1.6	93	30	87	24	0.9	0.8
Second	R4	W03	Unknown	84.6	79.8	4.8	5.7	44.8	34.1	34.1	0.0	0.0	1.7	1.7	1.7	1.7	92	29	85	22	0.9	0.8

Address	Room	Window	Room Use	Existing	Proposed	Loss	Loss	Room Area	Existing	Proposed	Loss	Loss	Existing ADF		Proposed ADF		Existing APSH		Proposed APSH		Total	Winter
				VSC	VSC		%		NSC	NSC		%	Window	Total	Window	Total	Total	Winter	Total	Winter	Retained	Retained
29-30 Atlas Gardens																						
Ground	R1	W01-L W01-U	Bedroom	26.5	19.3	7.2	27.1						0.0		0.0		56	17	46	7	0.8	0.4
								138.6	131.3	110.6	20.7	15.7	1.2	1.2	1.0	1.0						
First	R1	W01-L W01-U	Bedroom	31.2	23.9	7.3	23.5						0.0		0.0		71	22	62	13	0.9	0.6
								138.6	133.4	129.6	3.8	2.8	1.3	1.3	1.1	1.1						
21-22 Derrick Gardens																						
Ground	R1	W01-L W01-U	Bedroom	33.6	29.1	4.4	13.2						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.8	81.8	1.0	1.2	1.9	1.9	1.7	1.7						
First	R1	W01-L W01-U	Bedroom	35.0	30.3	4.7	13.4						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.8	82.6	0.2	0.2	1.8	1.8	1.6	1.6						
Second	R1	W01	Unknown	34.1	29.5	4.7	13.6	77.5	69.6	69.6	0.0	0.0	1.5	1.5	1.3	1.3	N/A	N/A	N/A	N/A	N/A	N/A
23-24 Derrick Gardens																						
Ground	R3	W05-L W05-U	Bedroom	35.0	29.4	5.6	16.1						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.2	82.2	0.0	0.0	1.9	1.9	1.7	1.7						
First	R3	W05-L W05-U	Bedroom	35.6	29.8	5.9	16.4						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.2	82.2	0.0	0.0	1.8	1.9	1.6	1.6						
25-26 Derrick Gardens																						
Ground	R1	W01-L W01-U	Bedroom	35.2	29.3	5.9	16.9						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.6	77.4	5.2	6.3	1.9	1.9	1.7	1.7						
First	R1	W01-L W01-U	Bedroom	35.7	29.6	6.2	17.3						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.6	78.8	3.9	4.7	1.9	1.9	1.6	1.6						
27-28 Derrick Gardens																						
Ground	R3	W05-L W05-U	Bedroom	35.1	28.9	6.2	17.7						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.5	79.1	3.4	4.1	1.9	1.9	1.6	1.6						
First	R3	W05-L W05-U	Bedroom	35.7	28.8	6.9	19.4						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
								85.4	82.5	80.2	2.3	2.8	1.9	1.9	1.5	1.6						
29-30 Derrick Gardens																						

Address	Room	Window	Room Use	Existing	Proposed	Loss	Loss	Room Area	Existing	Proposed	Loss	Loss	Existing ADF		Proposed ADF		Existing APSH		Proposed APSH		Total	Winter
				VSC	VSC		%		NSC	NSC		%	Window	Total	Window	Total	Total	Winter	Total	Winter	Retained	Retained
Ground	R1	W01-L W01-U	Bedroom	34.3	32.6	1.7	5.1	136.3	129.9	129.9	0.0	0.0	0.0 1.3		0.0 1.3		83	26	78	24	0.9	0.9
First	R1	W01-L W01-U	Bedroom	34.7	32.7	2.0	5.6	136.3	129.9	129.9	0.0	0.0	0.0 1.3		0.0 1.2		85	30	80	27	0.9	0.9
31-32 Derrick Gardens																						
Ground	R3	W05-L W05-U	Bedroom	33.3	32.4	0.9	2.6	136.3	129.6	129.6	0.0	0.0	0.0 1.3		0.0 1.3		80	27	77	24	1.0	0.9
First	R3	W05-L W05-U	Bedroom	34.4	33.1	1.4	4.0	136.3	129.6	129.6	0.0	0.0	0.0 1.3		0.0 1.2		82	29	80	27	1.0	0.9
33-34 Derrick Gardens																						
Ground	R3	W05-L W05-U	Bedroom	32.9	32.0	0.9	2.7	136.3	129.3	129.3	0.0	0.0	0.0 1.3		0.0 1.2		80	26	79	25	1.0	1.0
First	R3	W05-L W05-U	Bedroom	34.1	32.7	1.3	4.0	136.3	129.2	129.2	0.0	0.0	0.0 1.2		0.0 1.2		80	27	78	25	1.0	0.9
35-36 Derrick Gardens																						
Ground	R1	W01-L W01-U	Bedroom	33.5	32.4	1.1	3.2	106.0	101.6	101.6	0.0	0.0	0.0 1.6		0.0 1.6		N/A	N/A	N/A	N/A	N/A	N/A
First	R1	W01-L W01-U	Bedroom	34.3	32.4	1.8	5.3	106.0	101.6	101.6	0.0	0.0	0.0 1.6		0.0 1.5		N/A	N/A	N/A	N/A	N/A	N/A
37-38 Derrick Gardens																						
Ground	R3	W04-L W04-U	Bedroom	30.5	29.7	0.8	2.5	141.8	133.3	133.3	0.0	0.0	0.0 1.3		0.0 1.2		N/A	N/A	N/A	N/A	N/A	N/A
First	R3	W04-L W04-U	Bedroom	33.2	31.9	1.3	4.0	141.8	135.3	135.3	0.0	0.0	0.0 1.3		0.0 1.2		N/A	N/A	N/A	N/A	N/A	N/A
39-40 Derrick Gardens																						
Ground	R1	W01-L W01-U	Bedroom	28.7	28.6	0.1	0.5	141.8	128.2	128.1	0.0	0.0	0.0 1.2		0.0 1.2		N/A	N/A	N/A	N/A	N/A	N/A
Ground	R4	W05-L	Bedroom	26.5	24.5	2.0	7.6						0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A

Address	Room	Window	Room Use	Existing	Proposed	Loss	Loss	Room Area	Existing	Proposed	Loss	Loss	Existing ADF		Proposed ADF		Existing APSH		Proposed APSH		Total	Winter
				VSC	VSC		%		NSC	NSC		%	Window	Total	Window	Total	Total	Winter	Total	Winter	Retained	Retained
Ground	R4	W05-U	Unknown	23.6	21.9	1.6	6.9	153.3	140.9	128.7	12.2	8.7	0.5		0.4		N/A	N/A	N/A	N/A	N/A	N/A
		W06-L											0.0		0.0							
		W06-U											0.4	0.9	0.4	0.9						
	R5	W07	30.2	27.5	2.8	9.1	85.4	83.4	83.4	0.0	0.0	1.2		1.2		N/A	N/A	N/A	N/A	N/A	N/A	
R5	W08-L	29.2	27.1	2.0	6.9	0.1							0.1		N/A	N/A	N/A	N/A	N/A	N/A		
		W08-U											0.8	2.2	0.8	2.0						
First	R1	W01-L	Bedroom	32.5	31.8	0.7	2.1	141.8	135.3	135.3	0.0	0.0	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W01-U															1.3	1.3	1.2	1.3		
First	R4	W05-L	Bedroom	33.7	31.1	2.6	7.6	106.0	102.3	102.3	0.0	0.0	0.0		0.0		N/A	N/A	N/A	N/A	N/A	N/A
		W05-U															1.5	1.6	1.4	1.5		
1 to 8 Anchor & Hope Lane																						
Ground	R1	W01	Unknown	24.3	24.3	0.0	0.0	70.1	67.8	67.8	0.0	0.0	1.1	1.1	1.1	1.1	33	11	33	11	1.0	1.0
Ground	R2	W02	Unknown	24.3	24.3	0.0	0.0	50.7	50.0	50.0	0.0	0.0	1.3	1.3	1.3	1.3	33	11	33	11	1.0	1.0
Ground	R3	W03	Unknown	20.2	20.2	0.0	0.0	43.6	38.2	38.2	0.0	0.0	0.4	0.4	0.4	0.4	27	8	27	8	1.0	1.0
Ground	R4	W04-L	Unknown	29.8	22.3	7.5	25.3	149.1	147.8	127.7	20.1	13.6	0.1		0.1		71	20	54	6	0.8	0.3
	R4	W04-U																0.9		0.7		
		W05		35.6	26.7	8.9	25.0						0.9	1.9	0.7	1.5	86	28	68	13	0.8	0.5
Ground	R5	W06	Unknown	35.7	26.5	9.1	25.6	134.2	130.7	102.0	28.7	21.9	1.0	1.0	0.8	0.8	88	29	73	15	0.8	0.5
Ground	R6	W07-L	Unknown	22.7	14.7	8.0	35.1	181.4	171.7	168.7	3.0	1.7	0.1		0.0		49	16	38	6	0.8	0.4
		W07-U																0.6		0.5		
	R6	W08		28.1	20.2	7.9	28.2						0.7	1.3	0.5	1.0	59	20	48	10	0.8	0.5
Ground	R7	W09	Unknown	34.6	26.3	8.3	24.0	172.4	169.6	155.2	14.4	8.5	0.8		0.7		80	26	67	13	0.8	0.5
	R7	W10-L																0.1		0.1		61
		W10-U											0.7	1.6	0.6	1.3						
First	R1	W01	Unknown	32.8	24.0	8.8	26.7	149.1	148.0	139.1	8.9	6.0	2.2	2.2	1.7	1.7	80	30	64	16	0.8	0.5
First	R2	W02	Unknown	32.7	23.6	9.1	27.9	134.2	130.5	103.0	27.6	21.1	0.9	0.9	0.7	0.7	82	30	68	17	0.8	0.6
First	R3	W03	Unknown	27.4	19.6	7.8	28.3	181.4	169.2	146.3	22.9	13.5	0.6	0.6	0.5	0.5	66	21	54	10	0.8	0.5
First	R4	W04	Unknown	32.4	24.4	8.0	24.8						0.7		0.6		78	27	67	16	0.9	0.6
	R4	W05-L																0.1		0.1		53

Address	Room	Window	Room	Existing	Proposed	Loss	Loss	Room	Existing	Proposed	Loss	Loss	Existing ADF	Proposed ADF	Existing APSH	Proposed APSH	Total	Winter
			Use	VSC	VSC		%	Area	NSC	NSC		%	Window	Total	Window	Total	Total	Winter
		W05-U						172.4	172.3	160.1	12.1	7.0	0.5	1.4	0.4	1.1		



Appendix 11.3A

Sunlight amenity assessment

Title

Overshadowing Assessments
External Areas

YES

NO

BRE's Sun On Ground

Area seing at least two
hours of sunlight

Day: 21st March
Latitude: 51.4°N
Effective day length: 10 hours
*Min solar angle 10°
(BR209 3.3.8)

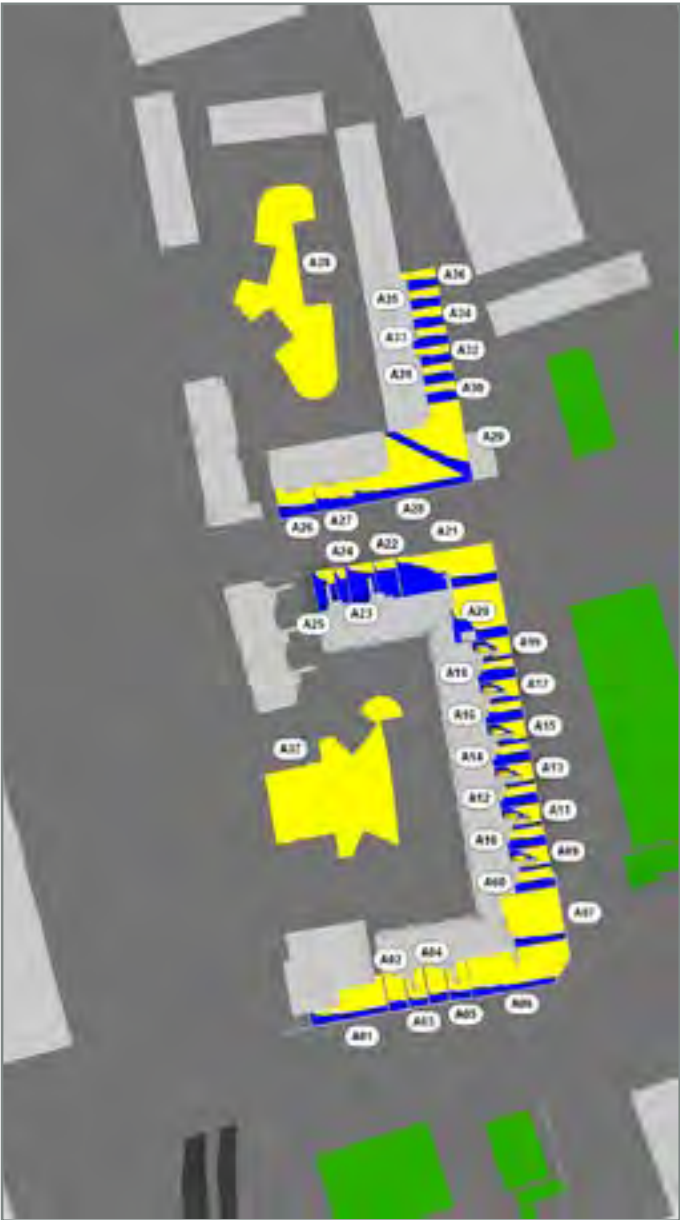


Fig. 1: BRE's Sun On Ground - Existing Scenario



Fig. 2: BRE's Sun On Ground - Proposed Scenario

Zone Name	Area (m2)	Sunlit Area*		
		Existing [%]	Proposed [%]	Loss [%]
A01	99.7	68.3	67.4	1.3
A02	34.6	75.0	73.9	1.4
A03	35.2	74.9	74.6	0.4
A04	35.3	73.3	72.2	1.5
A05	38.5	75.2	74.7	0.7
A06	178.1	82.9	82.8	0.2
A07	143.3	84.9	84.9	0.0
A08	35.2	46.5	46.5	0.0
A09	39.5	71.9	63.6	11.6
A10	34.0	43.5	43.5	0.0
A11	39.2	72.5	63.6	12.2
A12	33.6	39.3	39.3	0.0
A13	38.9	70.1	62.4	11.0
A14	33.4	38.9	38.9	0.0
A15	38.7	69.1	61.5	11.0
A16	33.6	38.3	38.3	0.0
A17	38.5	66.8	59.0	11.7
A18	32.6	34.8	34.8	0.0
A19	38.1	68.3	59.8	12.4
A20	129.3	75.7	73.3	3.2
A21	179.2	54.9	51.5	6.3
A22	38.8	21.1	21.1	0.0
A23	50.3	16.7	16.7	0.0
A24	20.4	20.7	20.7	0.0
A25	39.0	21.4	21.4	0.0
A26	52.1	60.0	60.0	0.0
A27	50.0	57.9	57.9	0.0
A28	174.6	68.0	68.0	0.0
A29	149.9	73.4	71.2	3.0
A30	32.0	41.8	41.3	1.3
A31	32.0	41.2	41.2	0.0
A32	29.1	42.6	42.6	0.0
A33	30.4	40.1	40.1	0.0
A34	33.0	43.4	43.1	0.6
A35	33.3	44.0	44.0	0.0
A36	30.1	48.8	48.8	0.0
A37	557.2	100.0	100.0	0.0
A38	486.9	100.0	100.0	0.0

*Sunlit Area = Area receiving >2hrs. of sunlight on 21st March

Table 1: Results

NORTH

Project

Charlton Riverside
Greenwich

Refer-
ence

1864_R35_SA01ext

Drawn

VL

Checked

-

Date

29/11/2018

Rel no.

01

Drawing
no.

1864_R35_SA01ext-1

YES

NO

BRE's Sun On Ground
 Area seing at least two
 hours of sunlight

Day: 21st March
 Latitude: 51.4°N
 Effective day length: 10 hours
 *Min solar angle 10°
 (BR209 3.3.8)

Zone Name	Area (m2)	Sunlit Area* (%)
B1	843.3	99.1
B2	2,299.1	50.0
B3	1,999.8	97.7
B4	415.2	100.0
B5	500.1	99.9
B6	547.3	100.0
B7	1,313.4	82.0
B8	1,159.8	18.4
B9	900.4	99.2

*Sunlit Area = Area receiving at least 2hrs. of sunlight on 21st March

Table 1: Results

Title

BRE's Sun-On-Ground
 Internal Areas

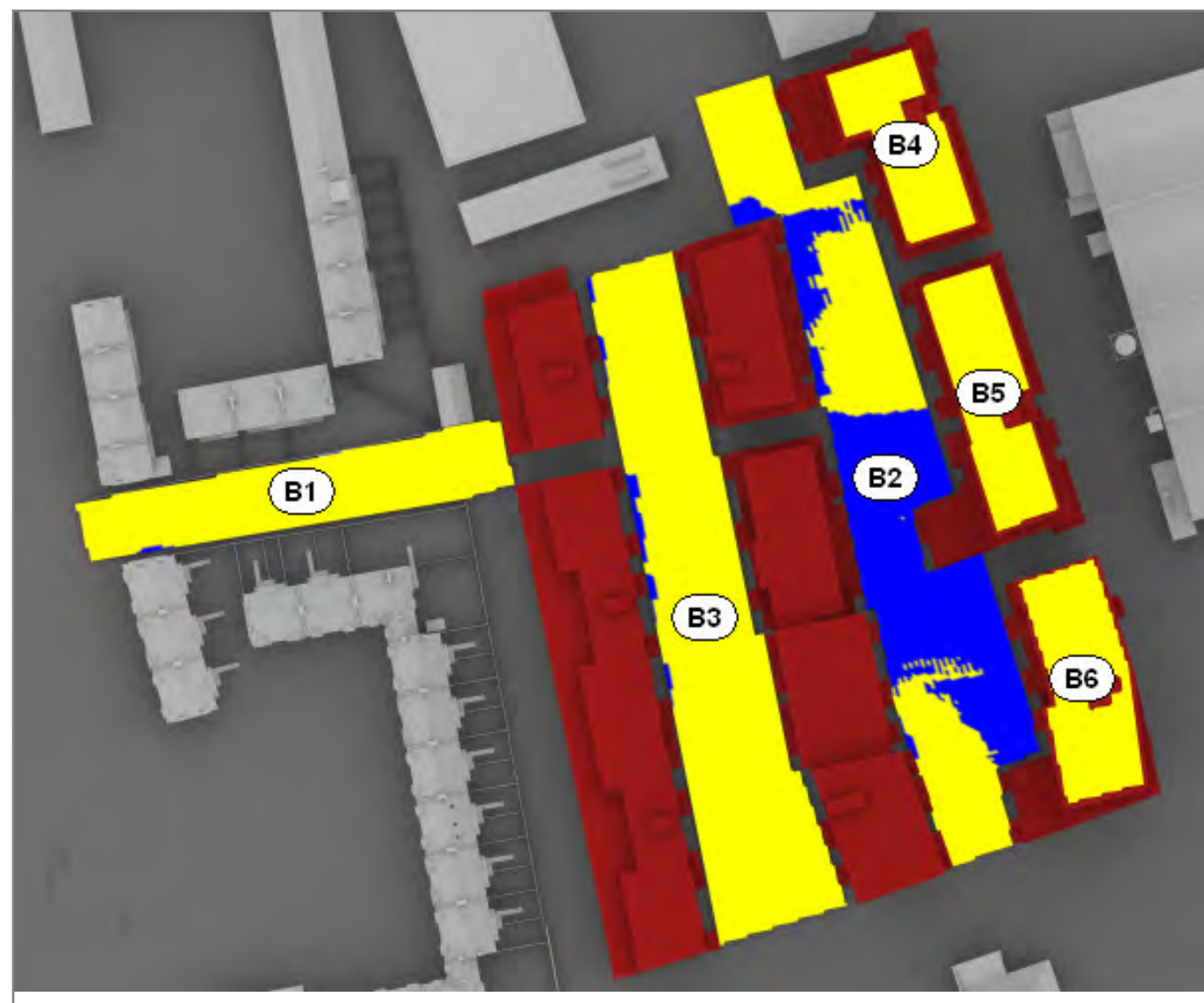


Fig. 1: BRE's Sun On Ground - Proposed Scenario - North Site

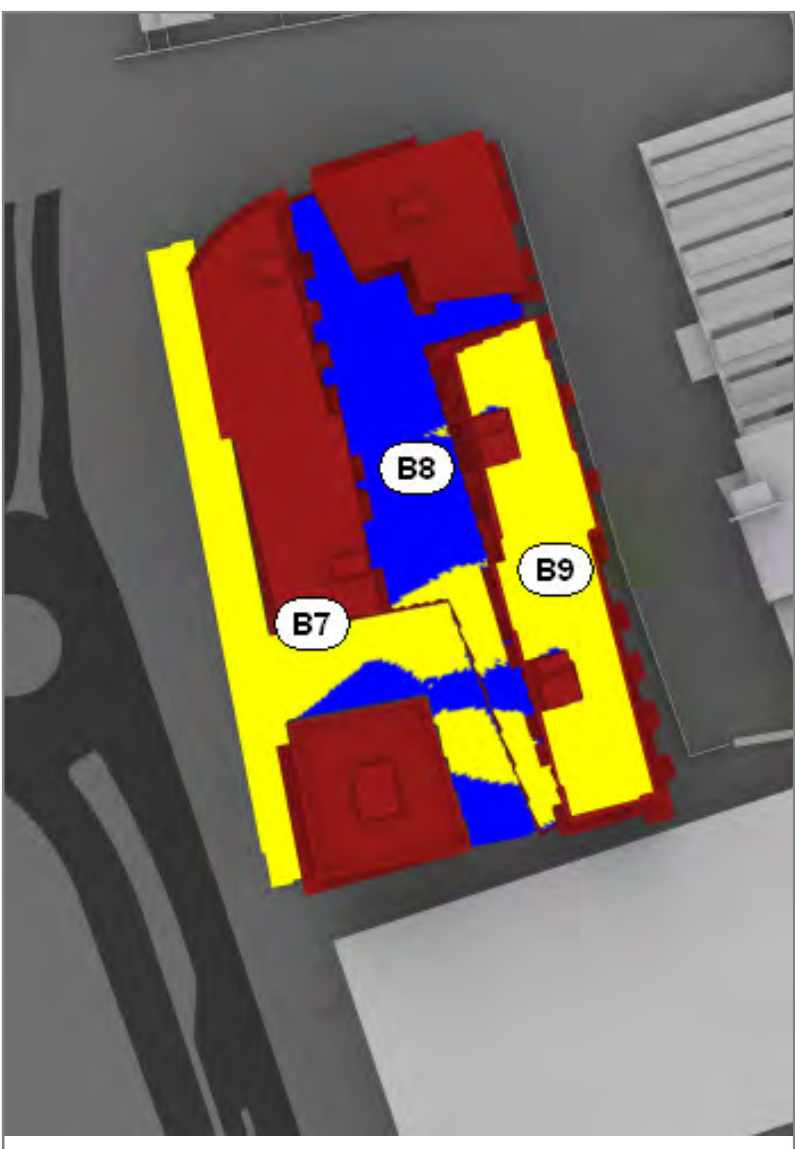


Fig. 2: BRE's Sun On Ground - Proposed Scenario - South Site



Project	Charlton Riverside Greenwich		
Reference	1864_R35_SA01int		
Drawn	VL	Checked	-
Date	29/11/2018	Rel no.	01
Drawing no.	1864_R35_SA01int-1		

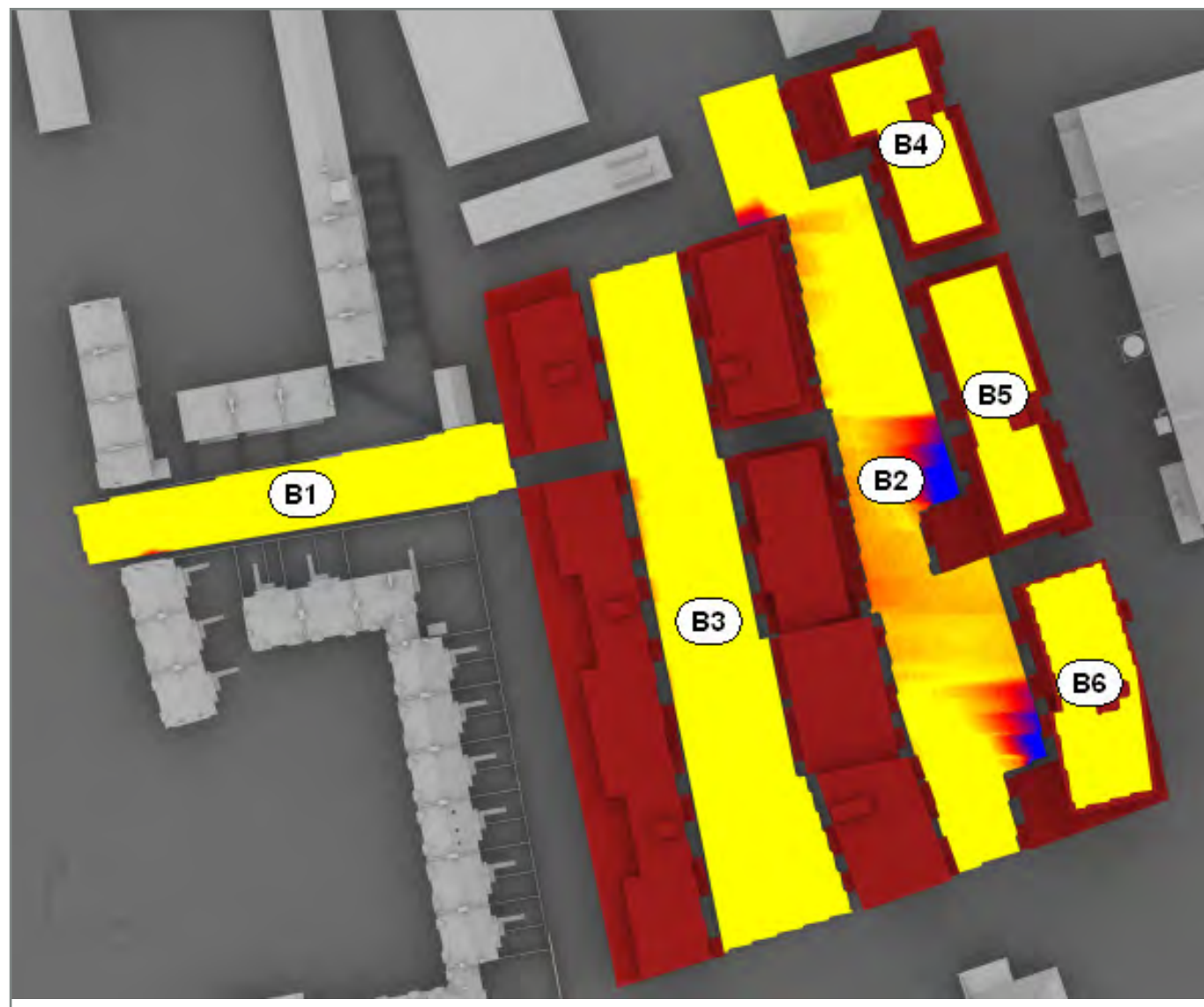
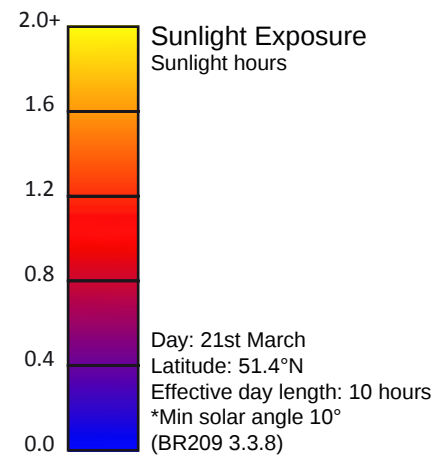


Fig. 3: Sunlight exposure 21st March - Proposed Scenario - North Site

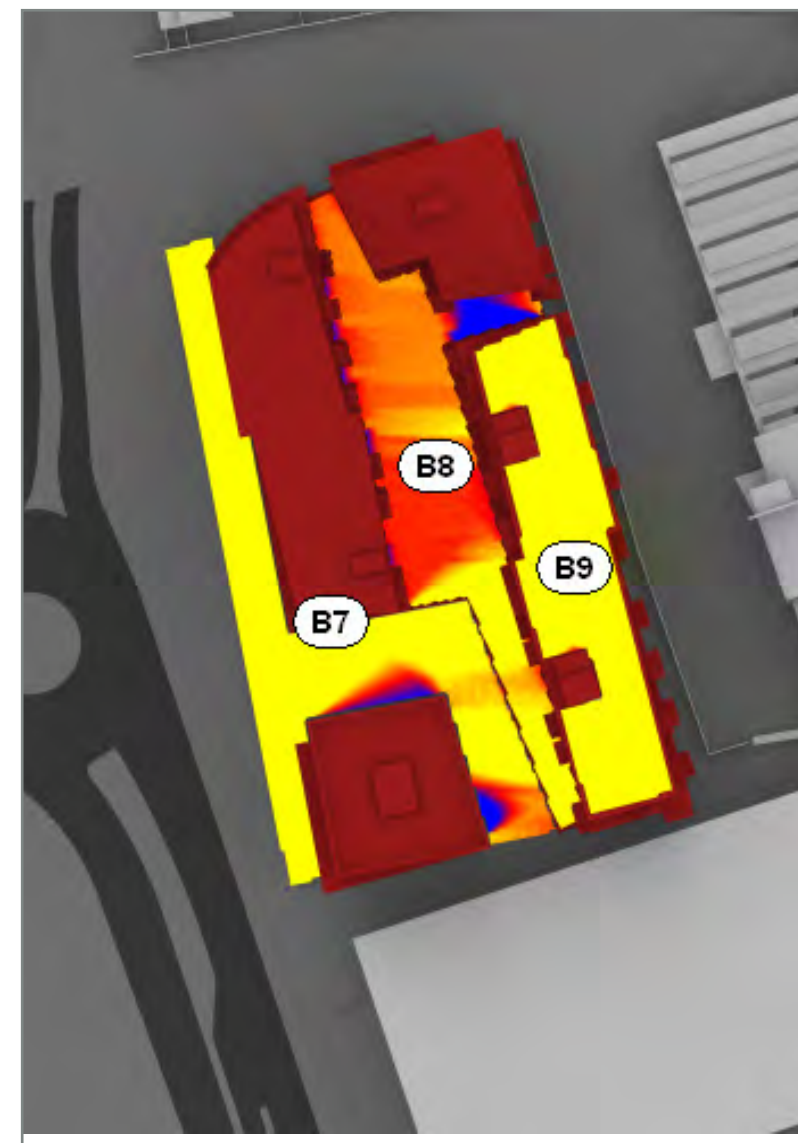


Fig. 4: Sunlight exposure 21st March - Proposed Scenario - South Site

Title

Sunlight Exposure
Internal Areas



Project Charlton Riverside
Greenwich

Reference 1864_R35_SA01int

Drawn VL Checked -

Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_SA01int-2



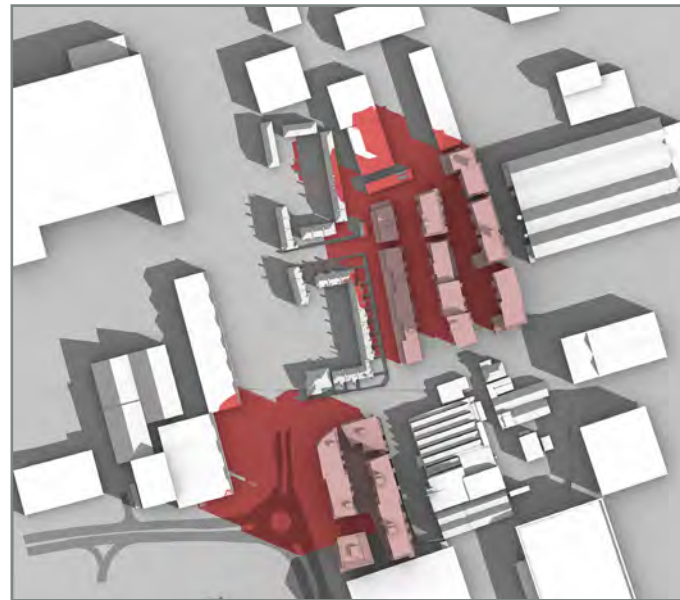
Appendix 11.4A

Transient overshadowing assessment

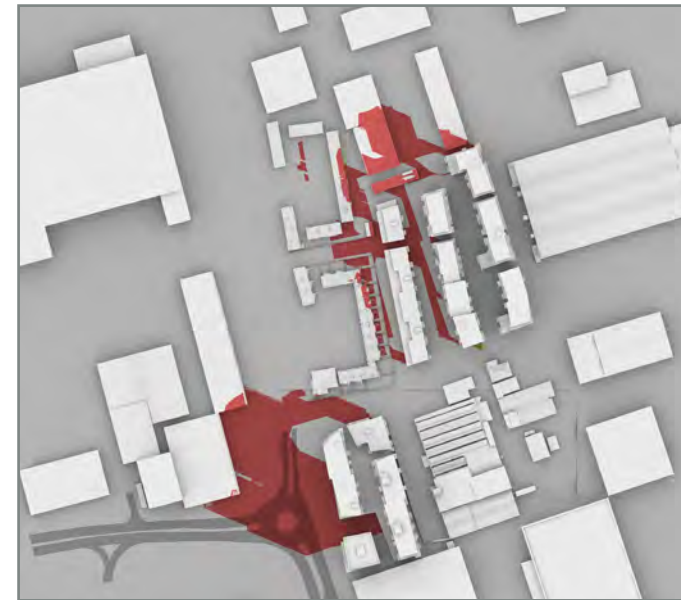
Existing Scenario



Proposed Scenario



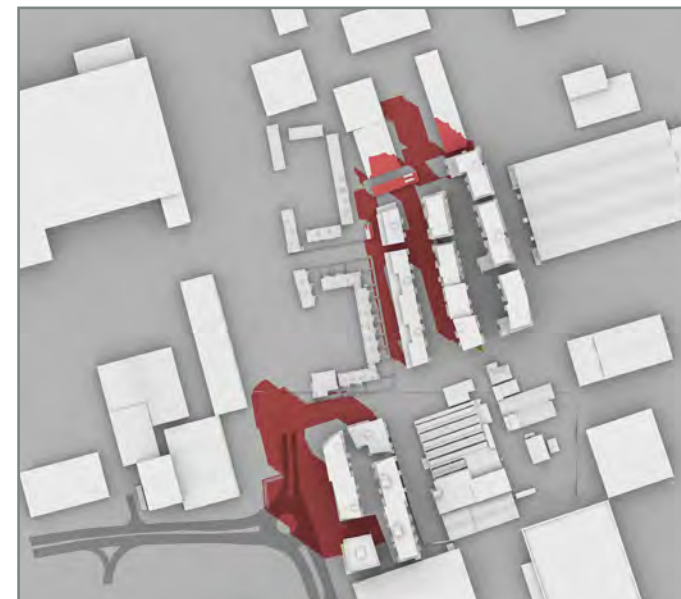
Difference



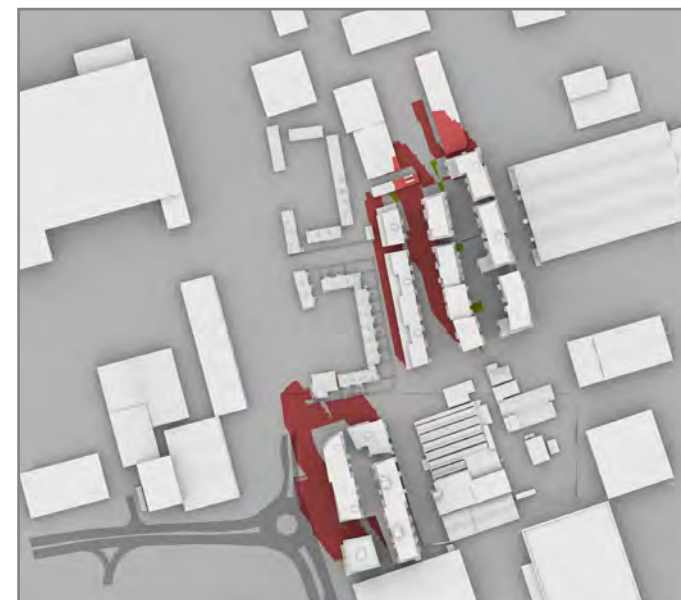
8:00_{GMT}

Title

Transient Overshadowing
Hourly Shadows
21st March



9:00_{GMT}



10:00_{GMT}

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_TS01-5

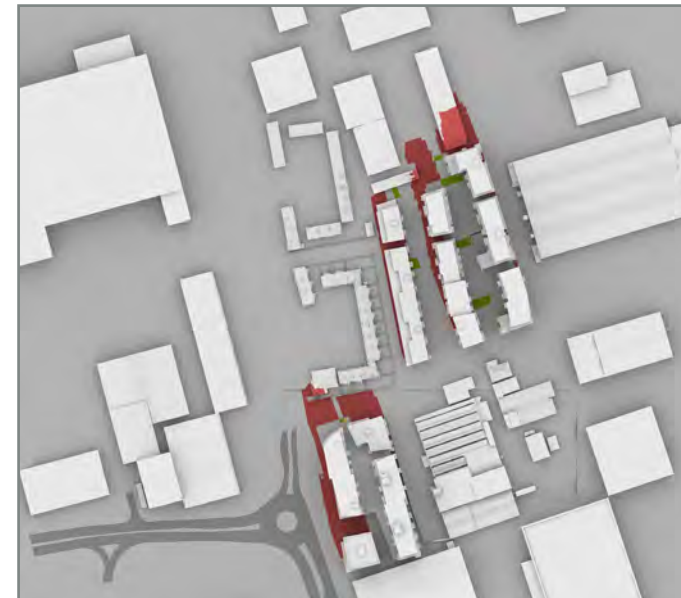
Existing Scenario



Proposed Scenario



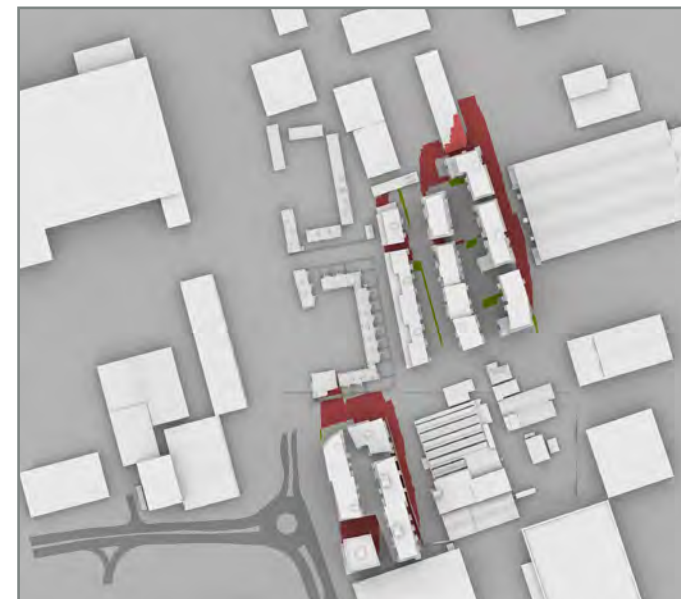
Difference



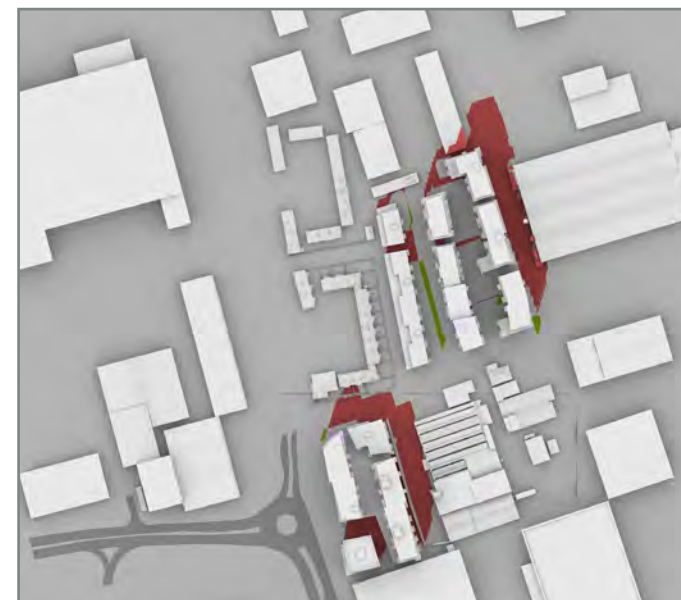
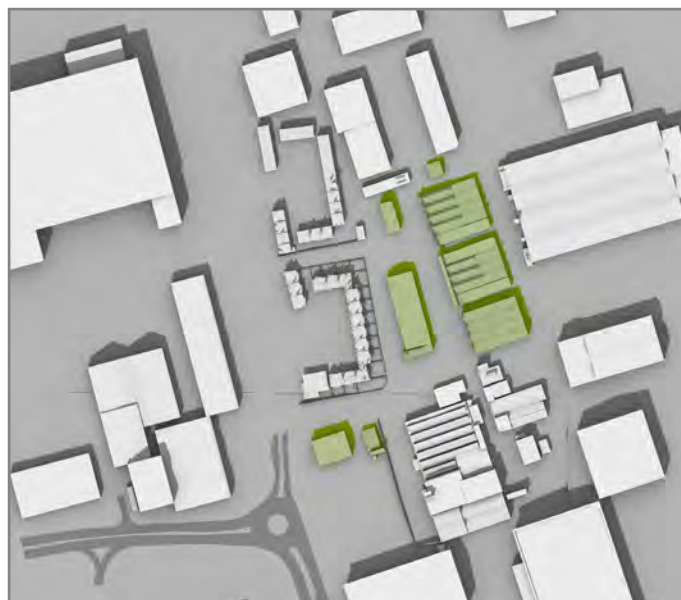
11:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st March



12:00GMT



13:00GMT

Existing
Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

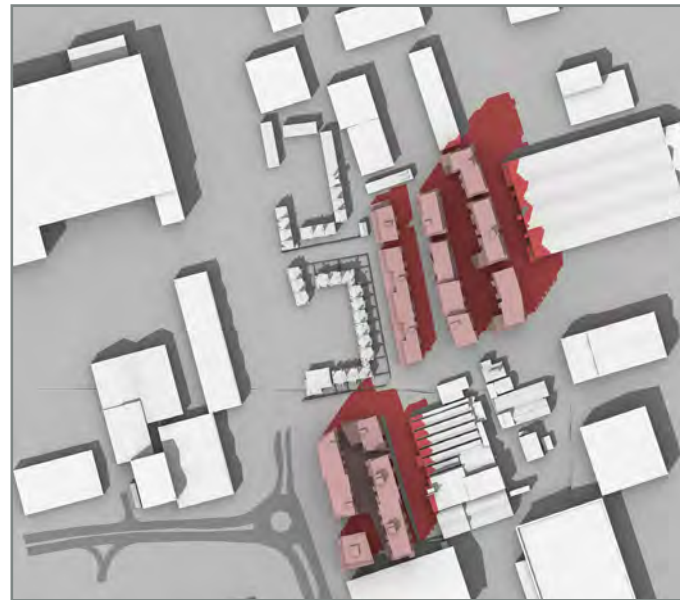
Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_TS01-6

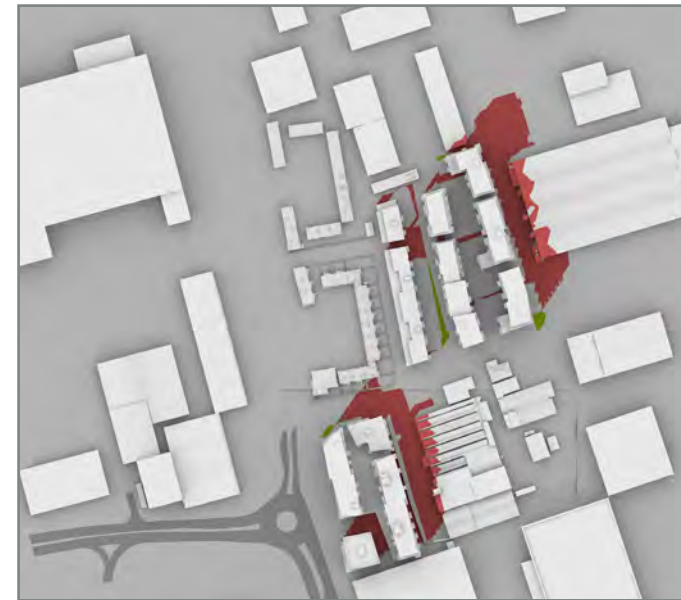
Existing Scenario



Proposed Scenario



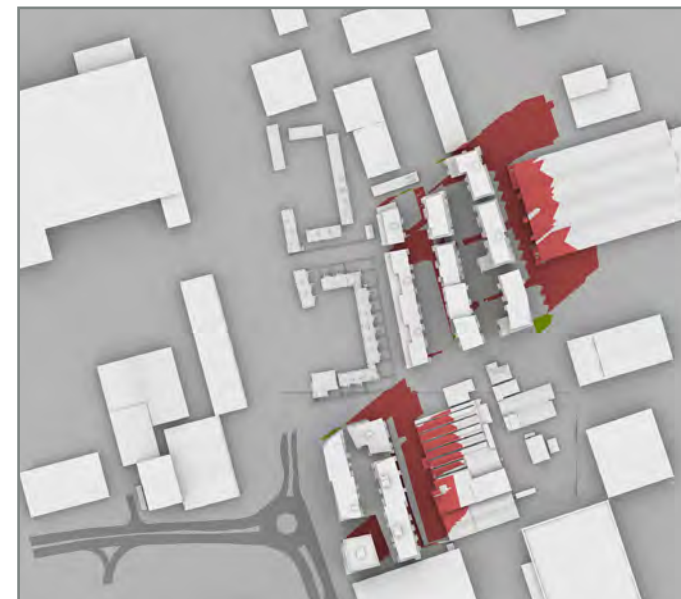
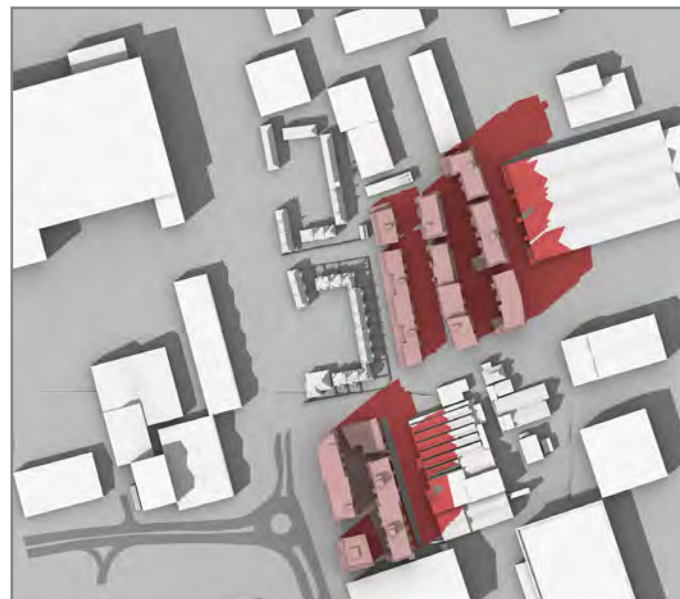
Difference



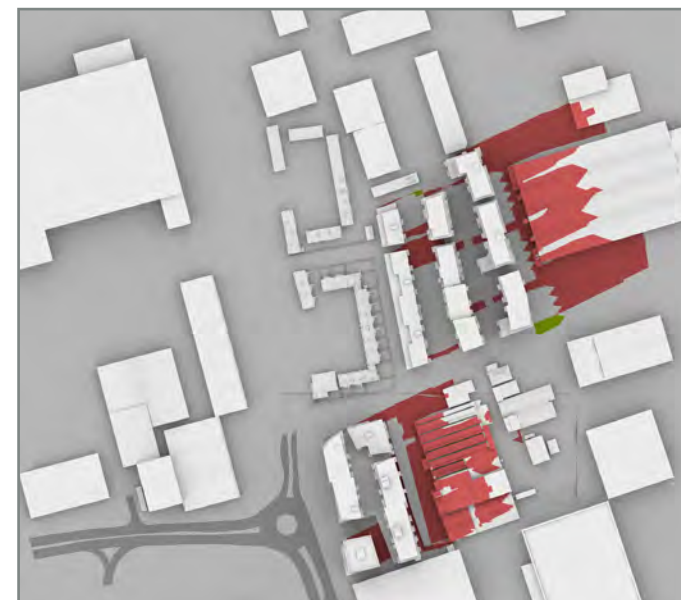
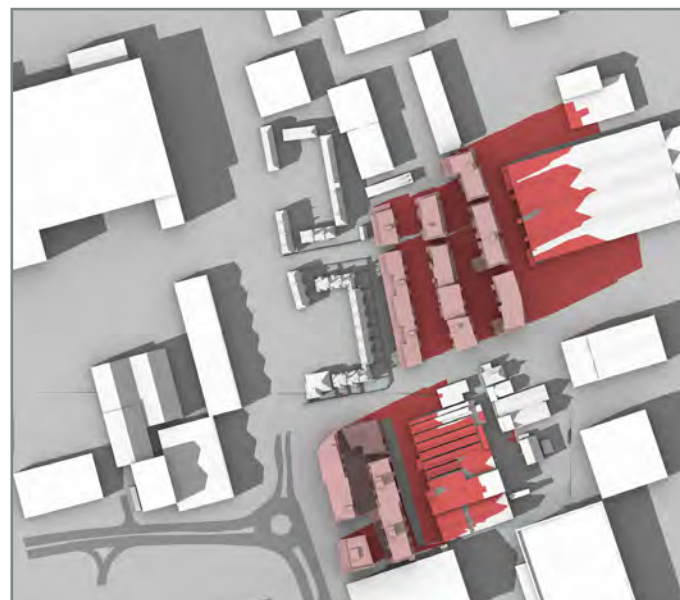
14:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st March



15:00GMT



16:00GMT

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

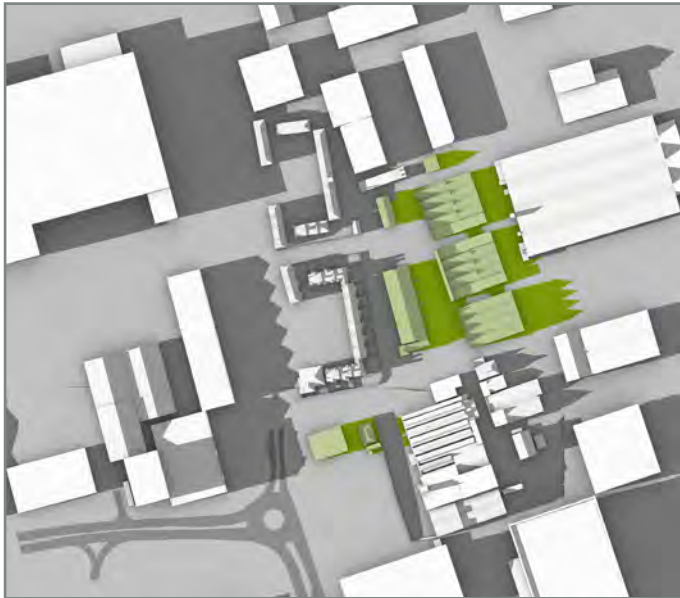
Reference 1864_R35_TS01

Drawn VL Checked PP

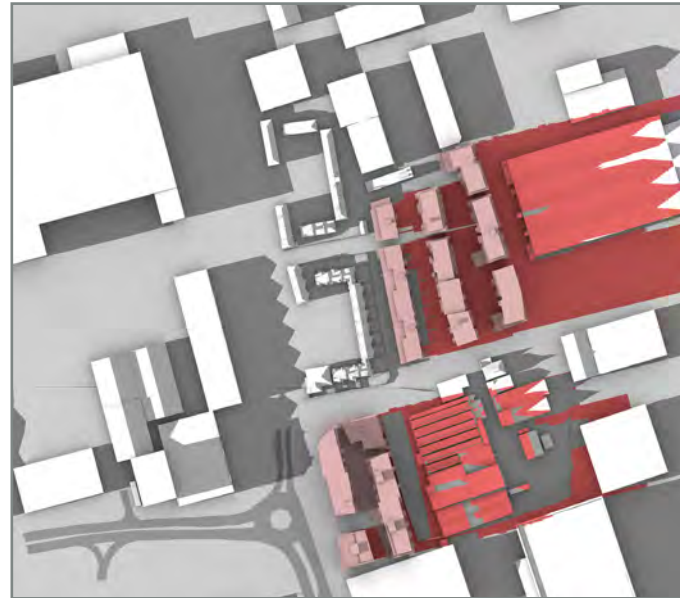
Date 29/11/2018 Rel no. 01

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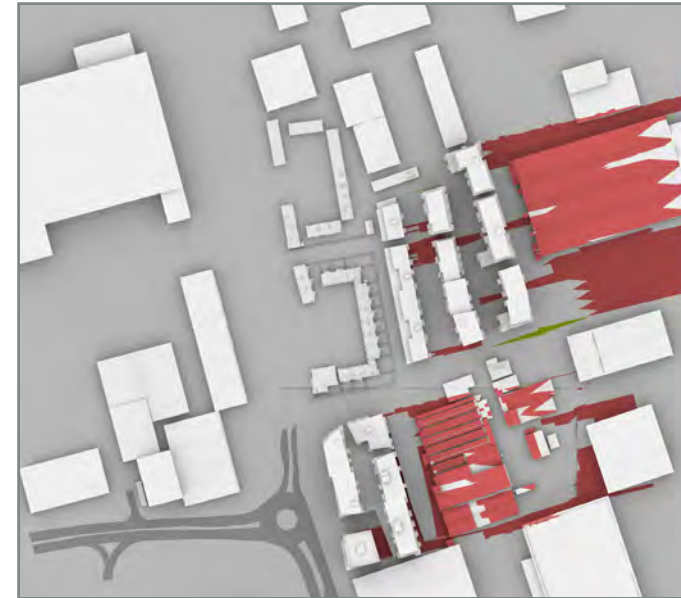
Existing Scenario



Proposed Scenario



Difference



17:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st March

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

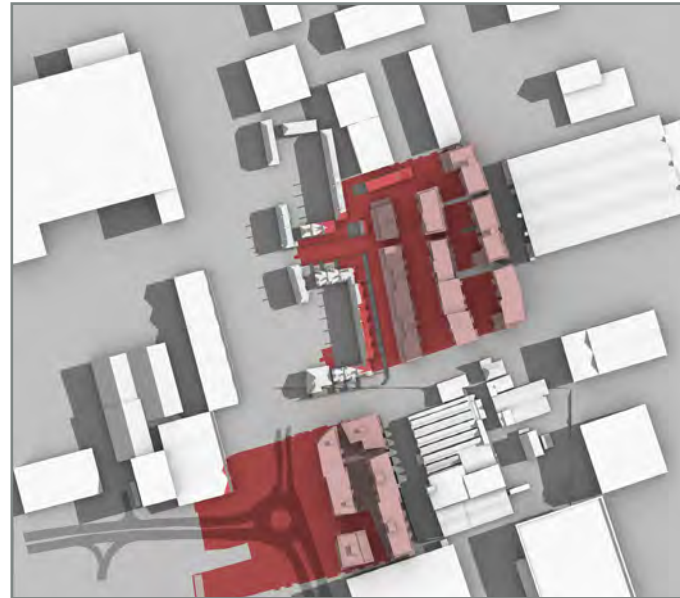
Date 29/11/2018 Rel no. 01

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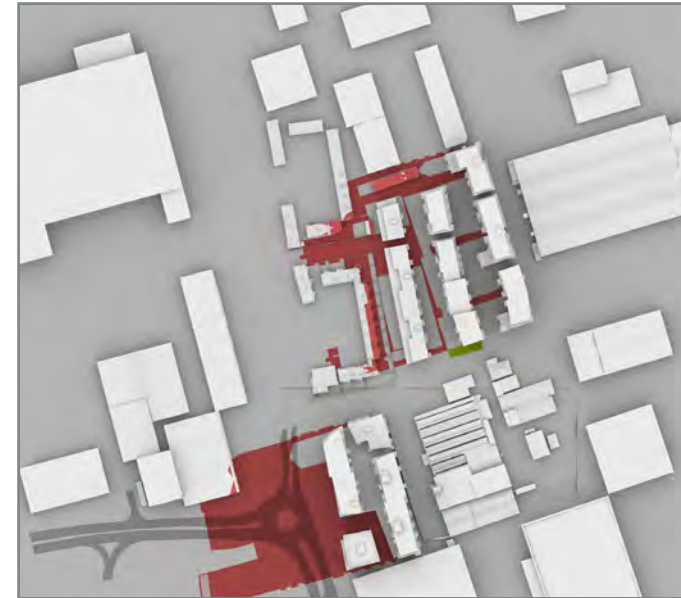
Existing Scenario



Proposed Scenario



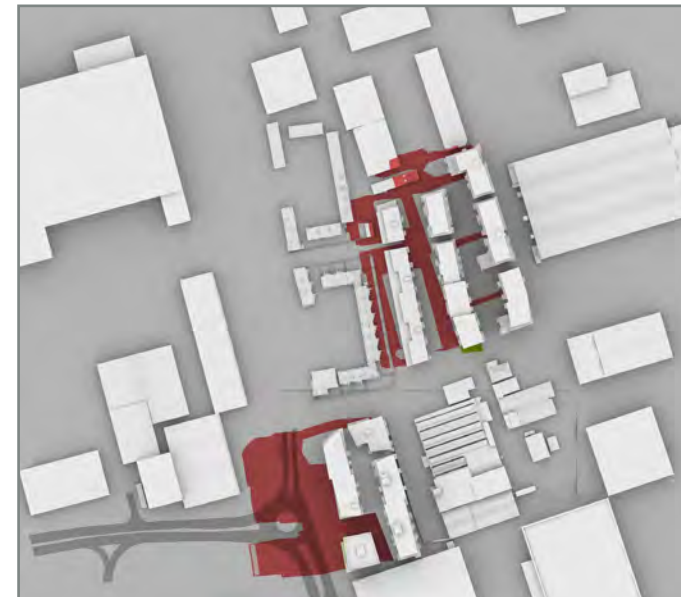
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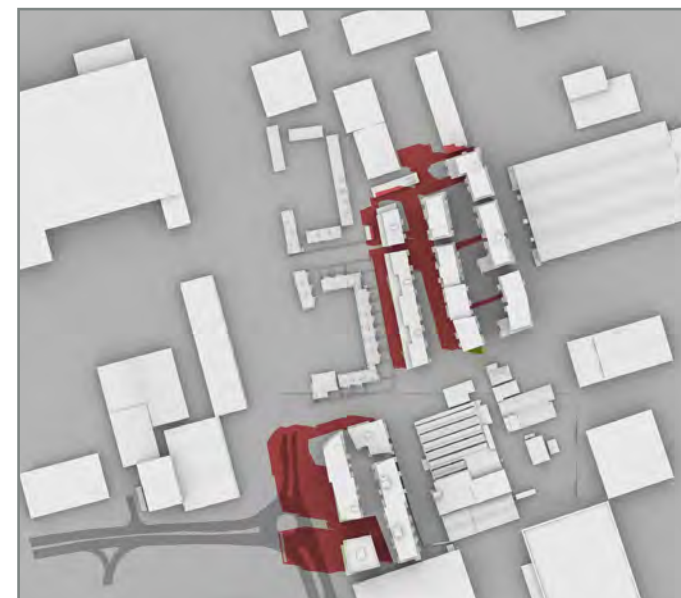
6:00_{GMT}

Title

Transient Overshadowing
Hourly Shadows
21st June



7:00_{GMT}



8:00_{GMT}

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_TS01-9

Existing Scenario



Proposed Scenario



Difference



9:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st June



10:00GMT



11:00GMT

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_TS01-10

Existing Scenario



Proposed Scenario



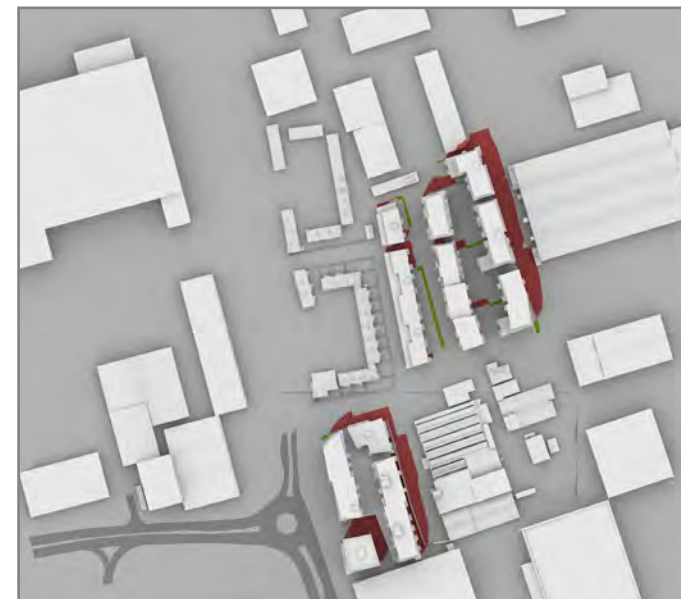
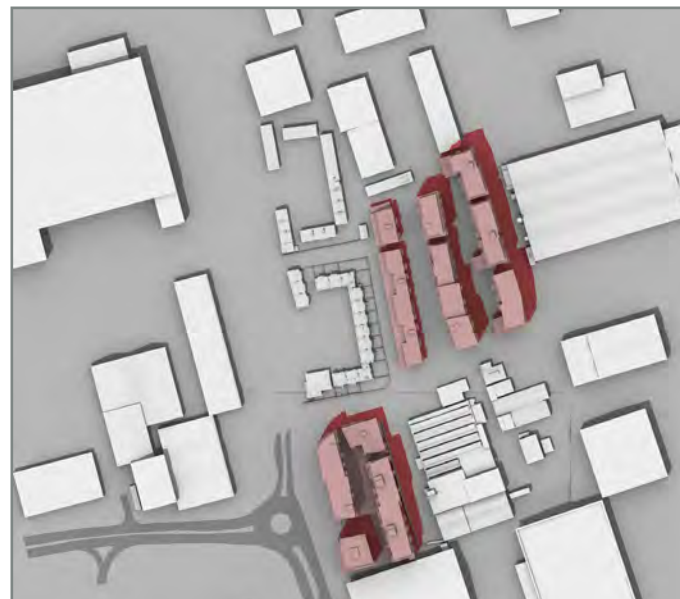
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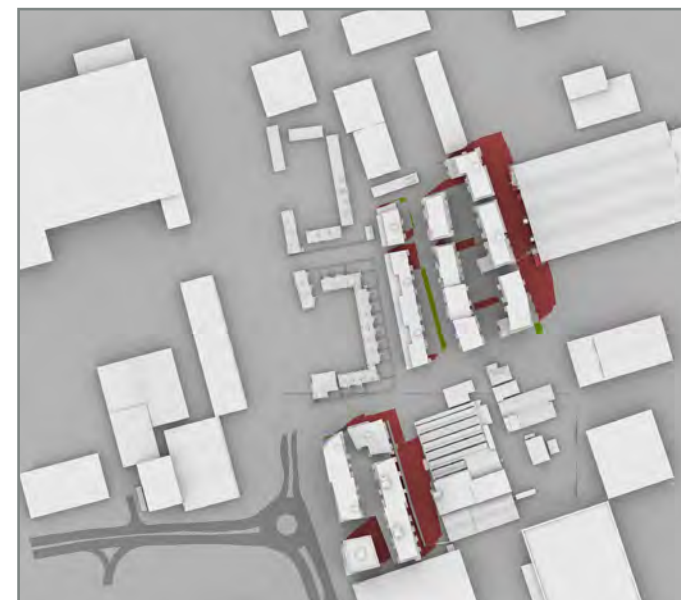
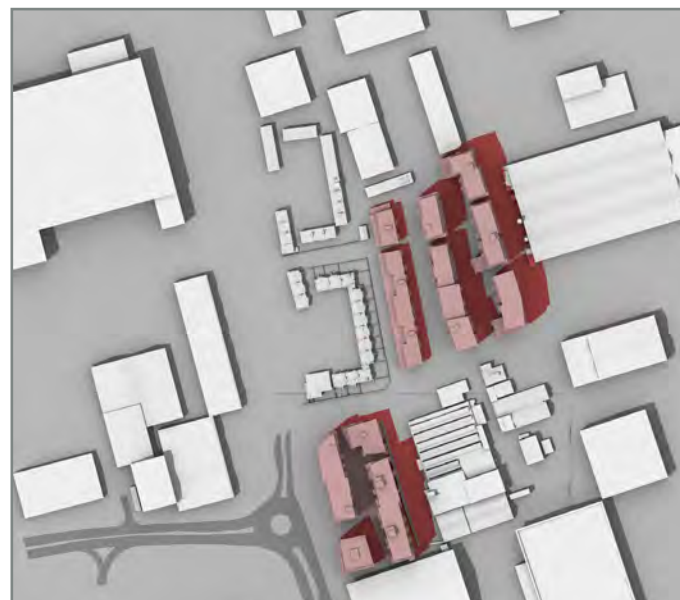
12:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st June



13:00GMT



14:00GMT

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

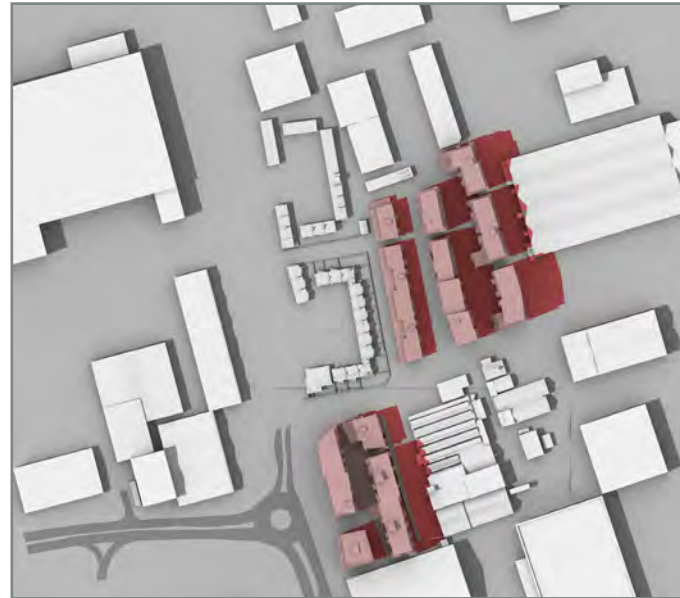
Date 29/11/2018 Rel no. 01

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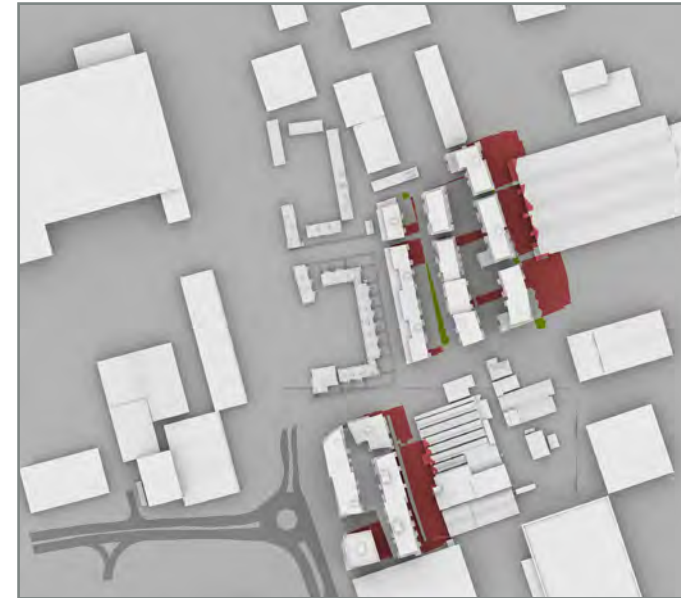
Existing Scenario



Proposed Scenario



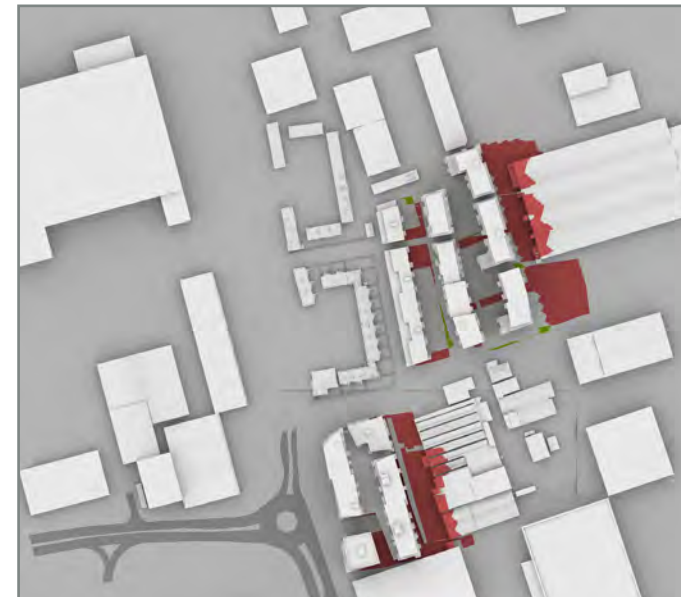
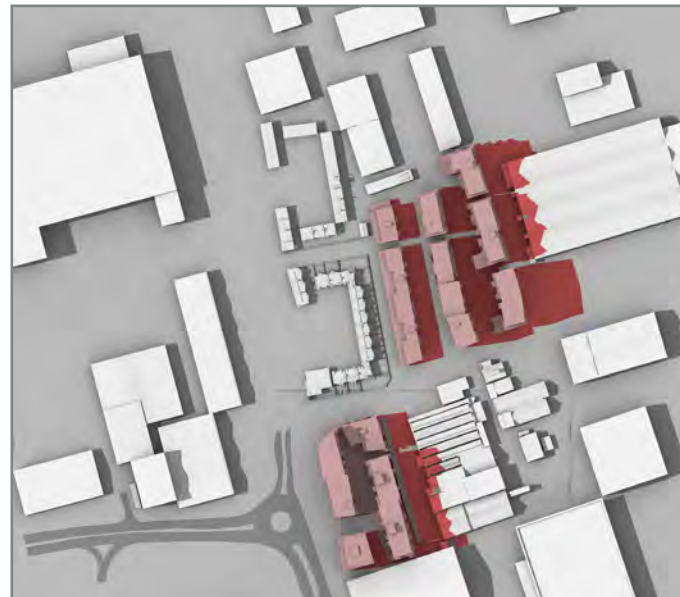
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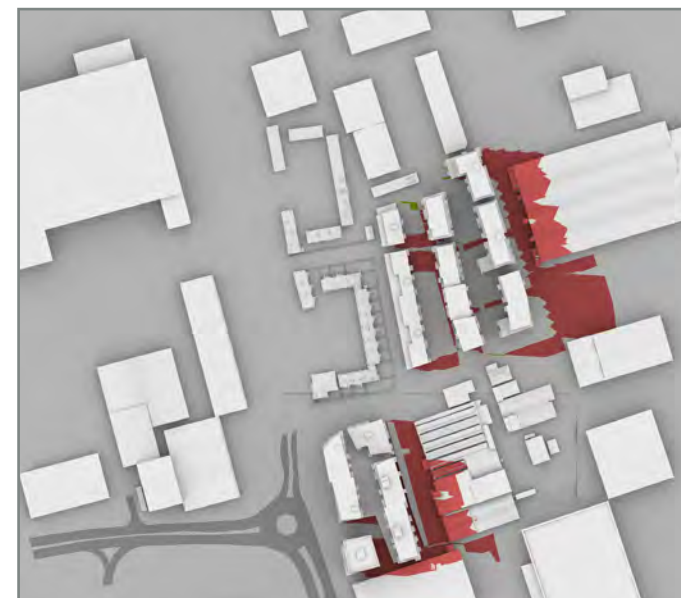
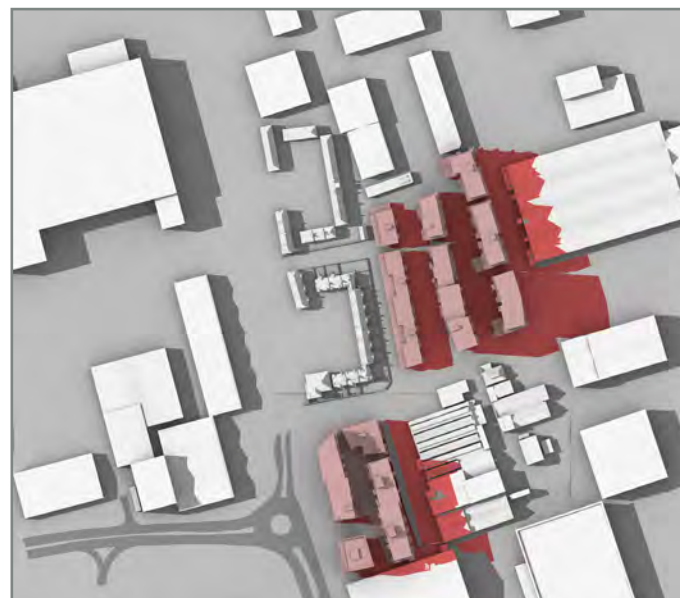
15:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st June



16:00GMT



17:00GMT

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

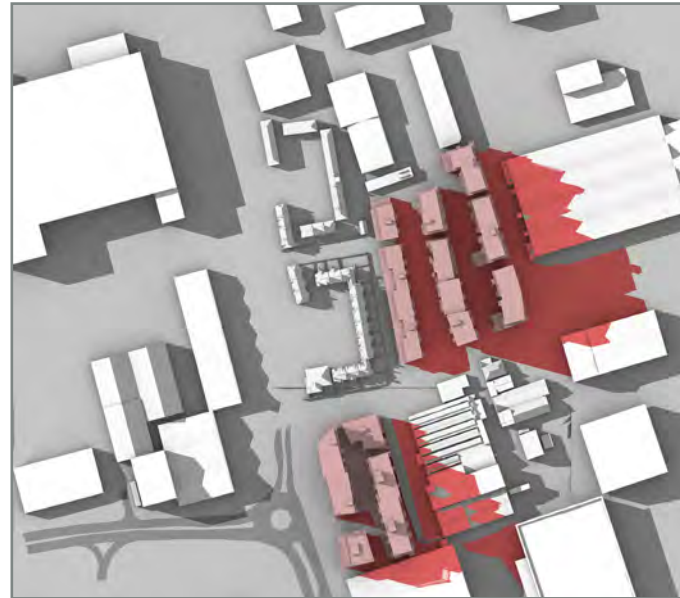
Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_TS01-12

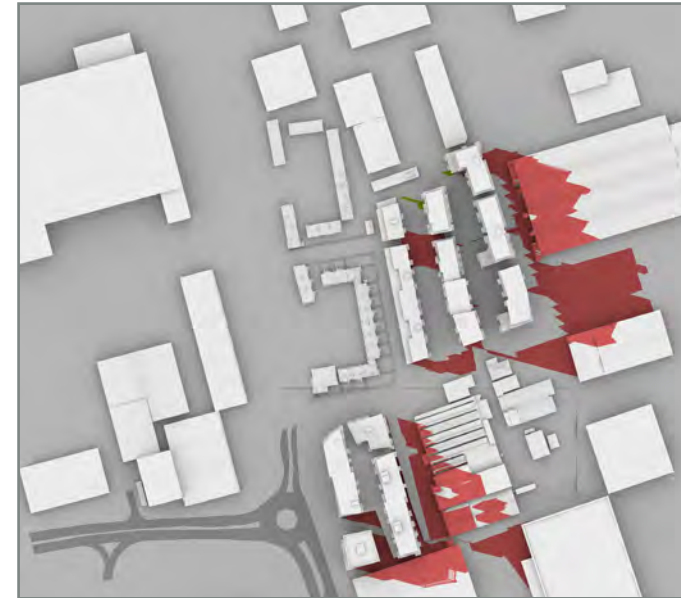
Existing Scenario



Proposed Scenario



Difference



18:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st June

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

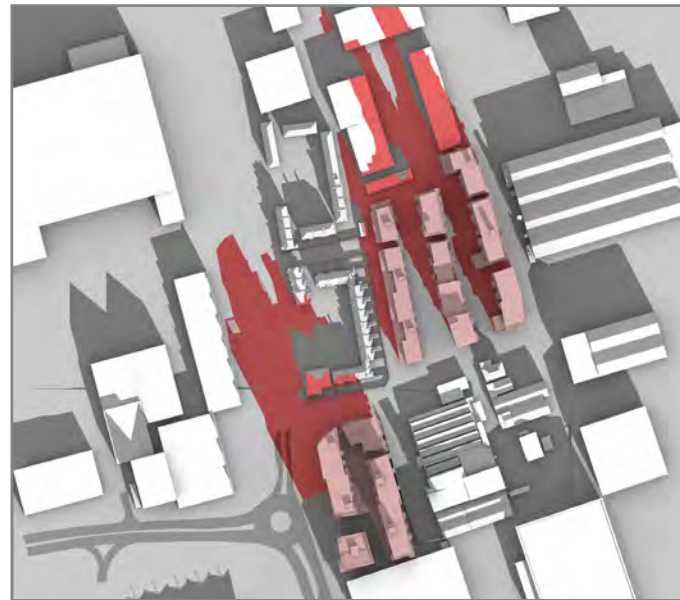
Date 29/11/2018 Rel no. 01

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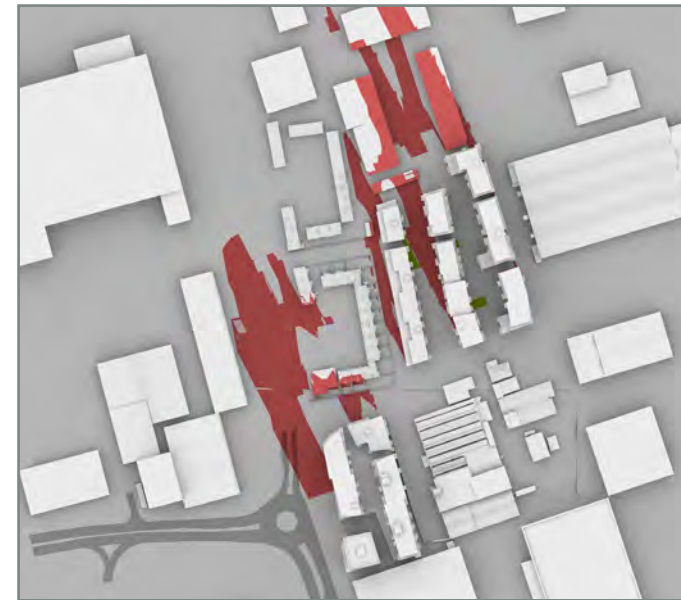
Existing Scenario



Proposed Scenario



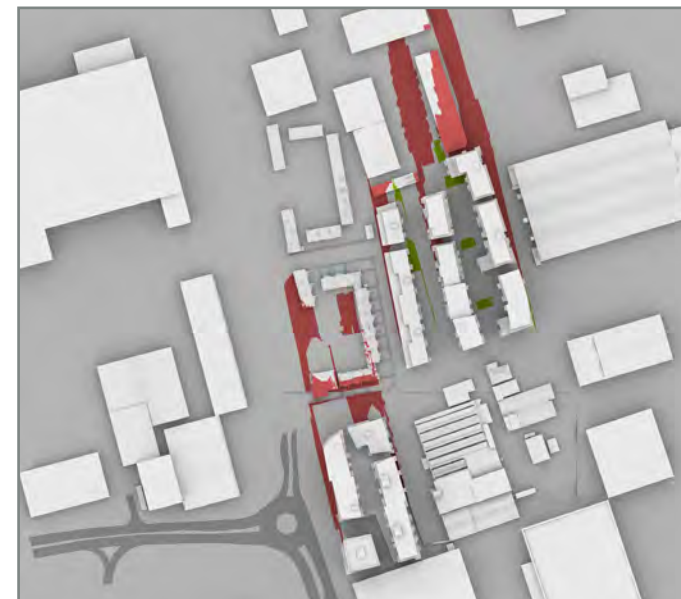
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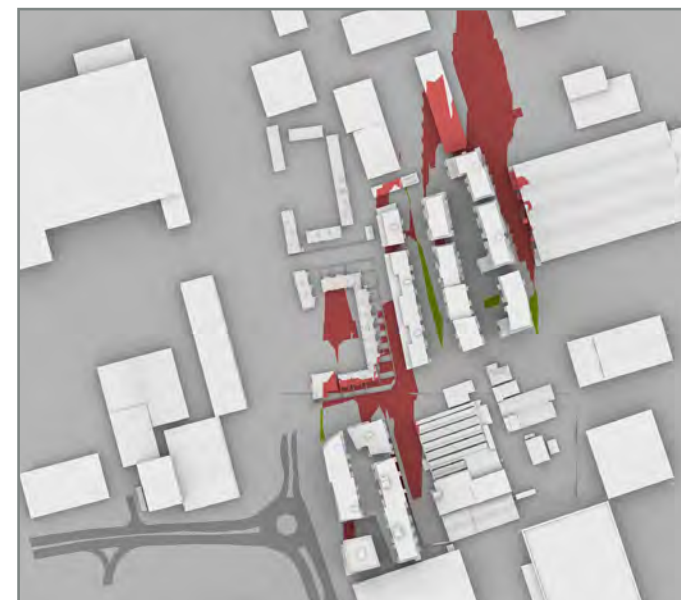
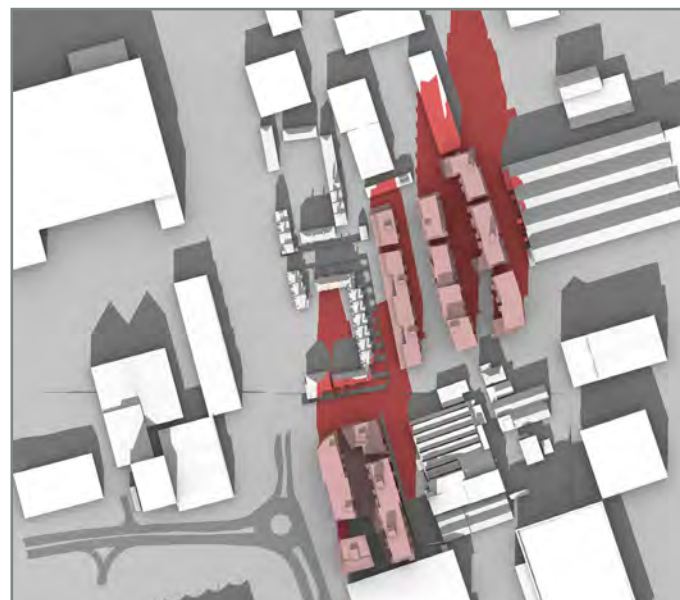
10:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st December



11:00GMT



12:00GMT

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

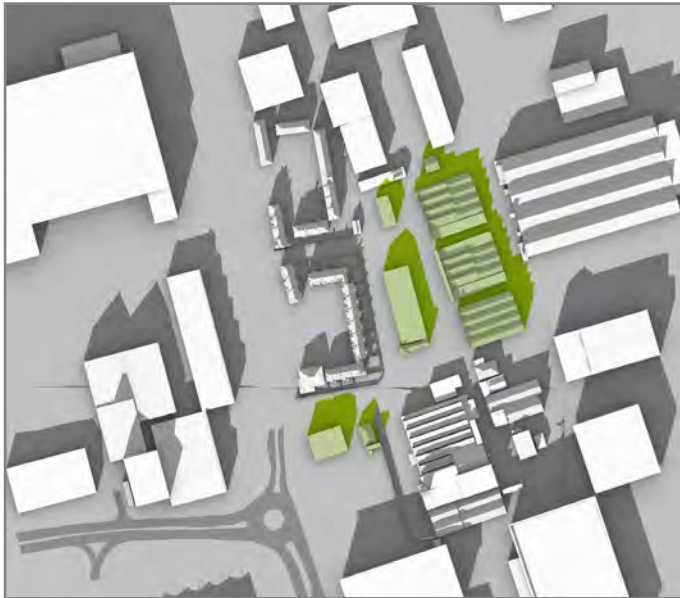
Reference 1864_R35_TS01

Drawn VL Checked PP

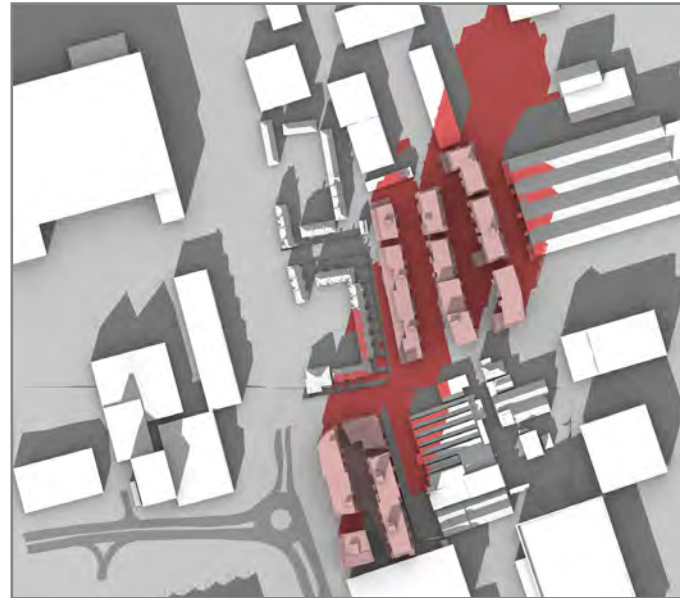
Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_TS01-14

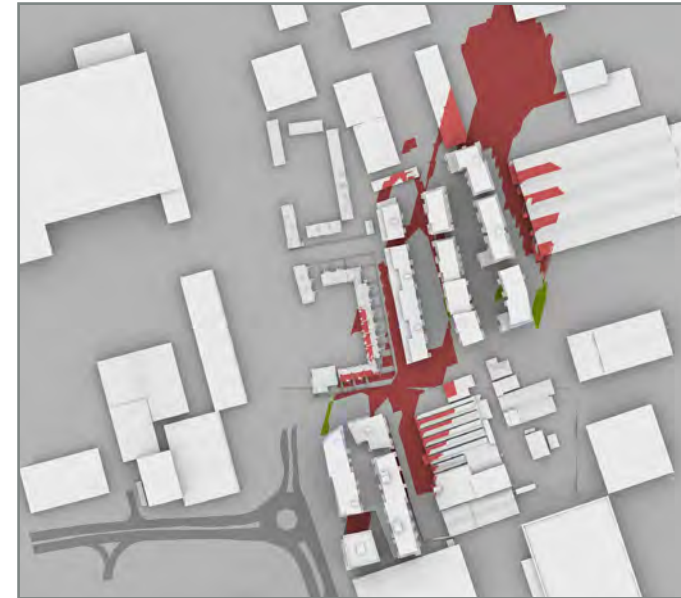
Existing Scenario



Proposed Scenario



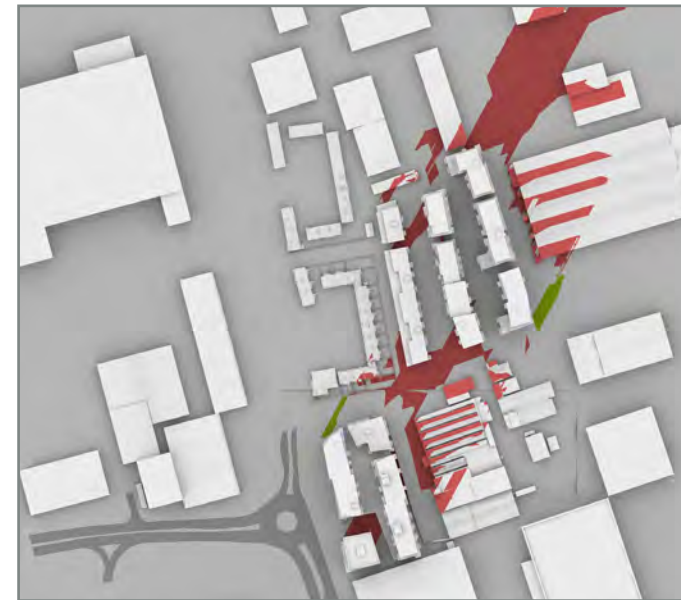
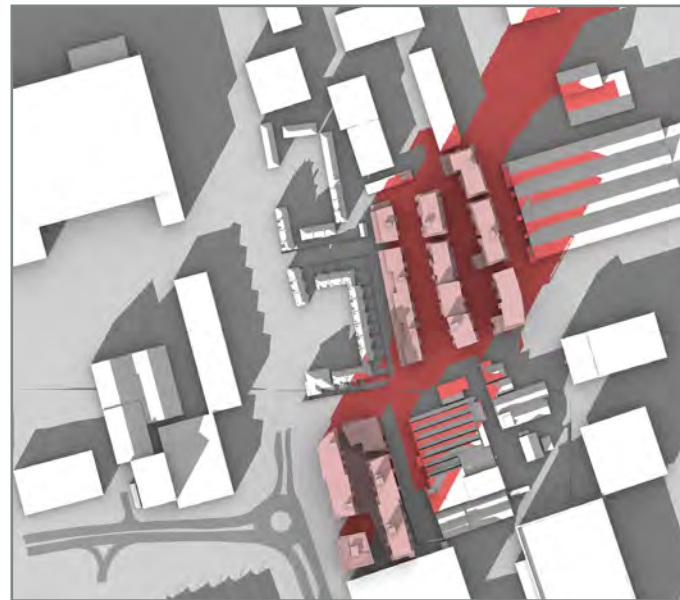
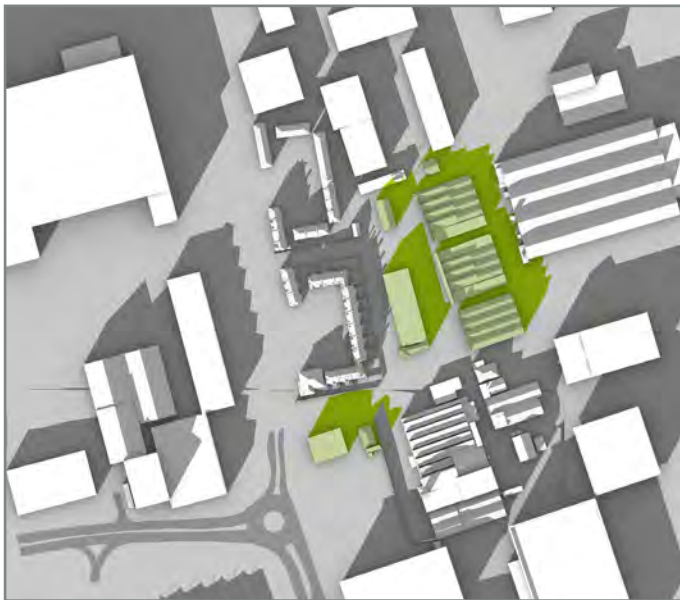
Difference



13:00GMT

Title

Transient Overshadowing
Hourly Shadows
21st December



14:00GMT

Existing

Proposed

NORTH



Latitude: 51.4N
Min. solar altitude 10 degrees
(BR209 3.3.8)

Project Charlton Riverside
London

Reference 1864_R35_TS01

Drawn VL Checked PP

Date 29/11/2018 Rel no. 01

Drawing no. 1864_R35_TS01-15