



RIGHT OF LIGHT
CONSULTING
Chartered Surveyors

Daylight and Sunlight Report

(Neighbouring Properties)

11 May 2022

Former Police Station
Windmill Street
Gravesend
Kent
DA12 1LQ

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1 EXECUTIVE SUMMARY

1.1 Overview

- 1.1.1 Right of Light Consulting has been commissioned by Churchill Retirement Living to undertake a daylight and sunlight assessment of the proposed development at the former Police Station, Windmill Street, Gravesend, Kent DA12 1LQ.
- 1.1.2 The assessment is based on the various numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a guide to good practice, 2nd Edition' by P J Littlefair 2011.
- 1.1.3 The aim of the assessment is to consider the impact of the development on the light receivable by the neighbouring properties at 1 to 34 Cygnet House, 1 to 9 Zion Place, 18 to 25 Wrotham Road, 44 & 45, 46 & 47, 48 to 50 and 51 to 54 Windmill Street, Civic Centre, Emmanuel Baptist Church and The Prince Albert public House.
- 1.1.4 The window key in Appendix 1 identifies the windows analysed in this assessment. Appendix 2 gives the numerical results of the various daylight and sunlight tests.
- 1.1.5 The lower floors of the Prince Albert Public House, Civic Centre and the Emmanuel Baptist Church appear to be non-domestic buildings which in our opinion do not have a requirement for daylight or sunlight. Nevertheless, all rooms and windows to these buildings pass numerical tests. We have therefore not included these results in the discussion below.
- 1.1.6 All neighbouring windows (that have a requirement for daylight or sunlight) pass the relevant BRE diffuse daylight and direct sunlight tests. The development also passes the BRE overshadowing to gardens and open spaces test.
- 1.1.7 In summary, the numerical results in this assessment demonstrate that the proposed development will have a low impact on the light receivable by its neighbouring properties. In our opinion, the proposed development sufficiently safeguards the daylight and sunlight amenity of the neighbouring properties.

2 INFORMATION SOURCES

2.1 Drawings

2.1.1 This report is based on the following drawings:

D & H Surveys Ltd

SU-01	Architect 3D Model	Rev -
	Topographic Survey	Rev -

Churchill Retirement Living

	Architect 3D Model	Rev -
20085GD_PL_001	Site Plan Red File	Rev P0.4
20085GD_PL_001	Site Plan Planning	Rev P1
20085GD_PL_002	Proposed Floor Plan Ground Planning	Rev P1
20085GD_PL_003	Proposed Floor Plan 01 Planning	Rev P1
20085GD_PL_004	Proposed Floor Plan 02 Planning	Rev P1
20085GD_PL_005	Proposed Floor Plan 03 Planning	Rev P1
20085GD_PL_006	Proposed Floor Plan 04 Planning	Rev P1
20085GD_PL_007	Proposed Roof Plan Planning	Rev P1
20085GD_PL_008	Site Sections Planning	Rev P1
20085GD_PL_009	East Elevation Planning	Rev P1
20085GD_PL_010	North & South Elevation Planning	Rev P1
20085GD_PL_011	West Elevation Planning	Rev P0.2
20085GD_PL_011	West Elevation Planning	Rev P1
20085GD_PL_020	Site Distances & Levels Plan Planning	Rev P0.2
20085GD_PL_020	Site Distances & Levels Plan Planning	Rev P1
21SE018_GF_007	Indicative Sections AA & BB Grey File	Rev P1

Barrell Tree Consultancy

21203-1 A	Tree Constraints Plan	Rev -
21203-1 B	Tree Constraints Plan	Rev -

2.2 Daylight Distribution Room Layout Information

2.2.1 The daylight distribution test has been applied based on the following room layout information:

Online Local Authority planning records

1 to 34 Cygnet House:
594_PC01

Proposed Site Plan Rev C

1 Zion Place:

02	Floor Plans As Proposed	Rev -
18 Wrotham Road:	Floor Plans	Rev -
19 Wrotham Road:	Floor Plans	Rev -
20 Wrotham Road:	Floor Plans	Rev -
21 Wrotham Road:	Floor Plans	Rev -
22 Wrotham Road: D01	Floor Plans Proposed	Rev -
23 Wrotham Road:	Floor Plans	Rev -
24 Wrotham Road: UAT/360/103	Proposed Alternations to Ground Floor Plan Floor Plans	Rev - Rev -
25 Wrotham Road: MH/01 MH/04a	Existing Ground Floor Plan Proposed Alternations to First Floor	Rev - Rev -
44 and 45 Windmill Street:	Proposed Basement & Ground Floor Plan	Rev -
44WS/RAIL/	Proposed Railings Plan Proposed 2nd & 3rd Floor Plans	Rev A Rev -
46 and 47 Windmill Street: 203/10-2a	Proposed Plans Ground Floor and First Floor	Rev -
48 to 50 Windmill Street: 48-50WS/RAIL/101	Proposed Plan & Elevations	Rev B
51 to 54 Windmill Street: 379/PL03C	Proposed Central Heating Cellar & Ground Floor Plans	Rev C
379/PL04C	Proposed Central Heating Cellar First & Second Floor Plans	Rev C
7 Zion Place: U200 001 5	Proposed Floor Plans	Rev -

8 Zion Place: 213 2	Existing & Proposed Floor Plans	Rev P1
9 Zion Place: 03	Ground Floor Plans As Existing	Rev -
Civic Centre: 2534 02	Existing Ground Floor	Rev C
2534 03	Existing First Floor	Rev A
2534 78	Proposed Fourth Floor Roof Plan	Rev -
10185-B-005	Proposed Plans, Sections & Sections	Rev C4
Emmanuel Baptist Church: 2298-001	Existing Plans & Elevations	Rev A
www.rightmove.co.uk		
2 Zion Place:	Floor Plans	Rev -
3 Zion Place:	Floor Plans	Rev -

3 METHODOLOGY OF THE ASSESSMENT

3.1 Local Planning Policy

- 3.1.1 We understand that the Local Authority take the conventional approach of considering daylight and sunlight amenity with reference to the various numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a guide to good practice, 2nd Edition' by P J Littlefair 2011. A new European standard BS EN 17037 'Daylight in Buildings' was published in May 2019. An update to the BRE guide to take into account the European standard is expected sometime in 2022. It is not yet clear, how and to what extent, the European recommendations will be adopted by the BRE and Local Authorities.
- 3.1.2 The standards set out in the BRE guide are intended to be used flexibly. The BRE guide states:
- 3.1.3 "The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly, since natural lighting is only one of many factors in site layout design."

3.2 National Planning Policy Framework

- 3.2.1 The BRE numerical guidelines should be considered in the context of the National Planning Policy Framework (NPPF), which stipulates that local planning authorities should take a flexible approach to daylight and sunlight to ensure the efficient use of land. The NPPF states:
- 3.2.2 "Local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site (as long as the resulting scheme would provide acceptable living standards)."

3.3 Daylight to Windows

- 3.3.1 Diffuse daylight is the light received from the sun which has been diffused through the sky. Even on a cloudy day, when the sun is not visible, a room will continue to be lit with light from the sky. This is diffuse daylight.
- 3.3.2 Diffuse daylight calculations should be undertaken to all rooms within domestic properties, where daylight is required, including living rooms, kitchens and bedrooms. The BRE guide states that windows to bathrooms, toilets, storerooms, circulation areas and garages need not be analysed. These room types are non-habitable and do not have a requirement for daylight.
- 3.3.3 The BRE guide states that the tests may also be applied to non-domestic buildings where there is a reasonable expectation of daylight. The BRE guide explains that this would normally include schools, hospitals, hotels and hostels, small workshops and some offices. The BRE guide is not explicit in terms of which types of offices it regards as having a requirement for daylight. However, it is widely accepted amongst consultants and local authorities, that for planning purposes, offices (which are commercial in nature) do not have a requirement for daylight. The point is touched on in the 'Daylighting and Sunlighting' guidance note published by the Royal Institution of Chartered Surveyors (RICS), which gives guidance to surveyors on how to produce their reports:
- 3.3.4 "The report should establish the limits of the assessment. For example, existing commercial premises are rarely assessed for loss of amenity."
- 3.3.5 The BRE guide contains two tests which measure diffuse daylight:

Test 1 Vertical Sky Component

- 3.3.6 The Vertical Sky Component is a measure of available skylight at a given point on a vertical plane. Diffuse daylight may be adversely affected if after a development the Vertical Sky Component is both less than 27% and less than 0.8 times its former value.
- 3.3.7 The BRE guide states that the total amount of skylight can be calculated by finding the Vertical Sky Component at the centre of each main window. The BRE guide does not define the term 'main window'. However, in our opinion, where a room has

multiple windows, the largest window is usually taken as the main window and the smaller window(s) as secondary. Although we generally follow the practice of testing all windows, including secondary windows, our interpretation of the BRE guide is that the Vertical Sky Component targets do not apply to secondary windows.

Test 2 Daylight Distribution

- 3.3.8 The distribution of daylight within a room can be calculated by plotting the 'no sky line'. The no sky line is a line which separates areas of the working plane that do and do not have a direct view of the sky. Daylight may be adversely affected if, after the development, the area of the working plane in a room which can receive direct skylight is reduced to less than 0.8 times its former value.
- 3.3.9 The BRE guide states that both the total amount of skylight (Vertical Sky Component) and its distribution within the building (Daylight Distribution) are important. The BRE guide states that where room layouts are known, the impact on the daylighting distribution can be found by plotting the 'no sky line' in each of the main rooms. Therefore, we are of the opinion that application of the test is not a requirement of the BRE guide where room layouts are not known. We don't endorse the practice of applying the test based on assumed room layouts, because the test is very sensitive to the size and layout of the room and the results are likely to be misleading. However, we can provide additional daylight distribution data upon request by the local authority, if neighbouring room layout information is confirmed.

3.4 Sunlight availability to Windows

- 3.4.1 The BRE sunlight tests should be applied to all main living rooms and conservatories which have a window which faces within 90 degrees of due south. The guide states that kitchens and bedrooms are less important, although care should be taken not to block too much sunlight. The tests should also be applied to non-domestic buildings where there is a particular requirement for sunlight.
- 3.4.2 The test is intended to be applied to main windows which face within 90 degrees of due south. However, the BRE guide explains that if the main window faces within 90 degrees of due north, but a secondary window faces within 90 degrees of due south, sunlight to the secondary window should be checked. For completeness, we have

tested all windows which face within 90 degrees of due south. The BRE guide states that sunlight availability may be adversely affected if the centre of the window:

- receives less than 25% of annual probable sunlight hours, or less than 5% of annual probable sunlight hours between 21 September and 21 March and
- receives less than 0.8 times its former sunlight hours during either period and
- has a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

3.5 Overshadowing to Gardens and Open Spaces

3.5.1 The availability of sunlight should be checked for all open spaces where sunlight is required. This would normally include:

- Gardens, usually the main back garden of a house
- Parks and playing fields
- Children's playgrounds
- Outdoor swimming pools and paddling pools
- Sitting out areas, such as those between non-domestic buildings and in public squares
- Focal points for views such as a group of monuments or fountains.

3.5.2 One way to consider overshadowing is by preparing shadow plots. However, the BRE guide states that it must be borne in mind that nearly all structures will create areas of new shadow, and some degree of transient overshadowing is to be expected. Therefore, shadow plots are of limited use as interpretation of the plots is subjective. Shadow plots have not been undertaken as part of this assessment.

3.5.3 The BRE guide also contains an objective overshadowing test which has been adopted for the purpose of this assessment. The guide recommends that at least 50% of the area of each amenity space listed above should receive at least two hours of sunlight on 21 March. If as a result of new development an existing garden or amenity area does not meet the above, and the area which can receive two hours of sunlight on 21 March is less than 0.8 times its former value, then the loss of light is likely to be noticeable.

4 RESULTS OF THE ASSESSMENT

4.1 Windows & Amenity Areas Considered

- 4.1.1 The aim of the assessment is to assess the impact of the development on the light receivable by the neighbouring properties at 1 to 34 Cygnet House, 1 to 9 Zion Place, 18 to 25 Wrotham Road, 44 & 45, 46 & 47, 48 to 50 and 51 to 54 Windmill Street, Civic Centre, Emmanuel Baptist Church and The Prince Albert public House.
- 4.1.2 Appendix 1 provides a plan and photographs to indicate the positions of the windows and outdoor amenity areas analysed in this assessment. Appendix 2 lists the detailed numerical daylight and sunlight test results.
- 4.1.3 The lower floors of the Prince Albert Public House, Civic Centre and the Emmanuel Baptist Church appear to be non-domestic buildings which in our opinion do not have a requirement for daylight or sunlight. Nevertheless, all rooms and windows to these buildings pass numerical tests. We have therefore not included these results in the discussion below.

4.2 Daylight to Windows

Vertical Sky Component

- 4.2.1 All windows with a requirement for daylight pass the Vertical Sky Component test.

Daylight Distribution

- 4.2.2 We have undertaken the Daylight Distribution test where room layouts are known. All rooms with a requirement for daylight pass the daylight distribution test.

4.3 Sunlight to Windows

- 4.3.1 All windows that face within 90 degrees of due south have been tested for direct sunlight. All windows with a requirement for sunlight pass both the total annual sunlight hours test and the winter sunlight hours test. The proposed development therefore satisfies the BRE direct sunlight to windows requirements.

4.4 Overshadowing to Gardens and Open Spaces

- 4.4.1 All gardens and open spaces tested meet the BRE recommendations.

4.5 Conclusion

- 4.5.1 In summary, the numerical results in this assessment demonstrate that the proposed development will have a low impact on the light receivable by its neighbouring properties. In our opinion, the proposed development sufficiently safeguards the daylight and sunlight amenity of the neighbouring properties.

5 CLARIFICATIONS

5.1 General

- 5.1.1 The report provided is solely for the use of the client and no liability to anyone else is accepted.
- 5.1.2 The assessment is limited to assessing daylight, sunlight and overshadowing to neighbouring properties as set out in section 2.2, 3.2 and 3.3 of the BRE Guide.
- 5.1.3 The assessment is based on the information listed in section 2 of this report and a site visit undertaken on 2 March 2022. We have not had access to neighbouring properties.
- 5.1.4 This assessment does not calculate the effects of trees and hedges on daylight, sunlight and overshadowing to gardens. The BRE guide states that it is usual to ignore the effect of existing trees.
- 5.1.5 The impact on solar panels is a material planning consideration. However, the BRE guide does not provide assessment criteria for this. The assessment of impact on any neighbouring solar panels is therefore beyond the scope of this report.
- 5.1.6 We have undertaken the assessment following the guidelines of the RICS publication "Surveying Safely". Where limited access or information is available, assumptions will have been made which may affect the conclusions reached in this report. For example, where neighbouring room uses are not known, we will either make an assumption regarding the use, or take the prudent approach of treating the use of the room as being used for domestic purposes. Therefore, the report may need to be updated if room uses are confirmed by the local authority or by the consultation responses.
- 5.1.7 This report is based upon and subject to the scope of work set out in Right of Light Consulting's quotation and standard terms and conditions.

APPENDICES

APPENDIX 1

WINDOW & GARDEN KEY



Civic Centre

Woodville Place

44 and 45
Windmill
Street

46 and 47
Windmill Street

48 to 50
Windmill Street

51 to 54
Windmill Street

Emmanuel Baptist
Church

1 to 34 Cygnet
House

Zion Place

Wrotham Road

Windmill Street

Proposed
Development

24
Wrotham
Road

23
Wrotham
Road

22
Wrotham
Road

21
Wrotham
Road

20
Wrotham
Road

19
Wrotham
Road

18
Wrotham
Road

25 Wrotham Road

The Prince
Albert

9
Zion
Place

8
Zion
Place

7
Zion
Place

6
Zion
Place

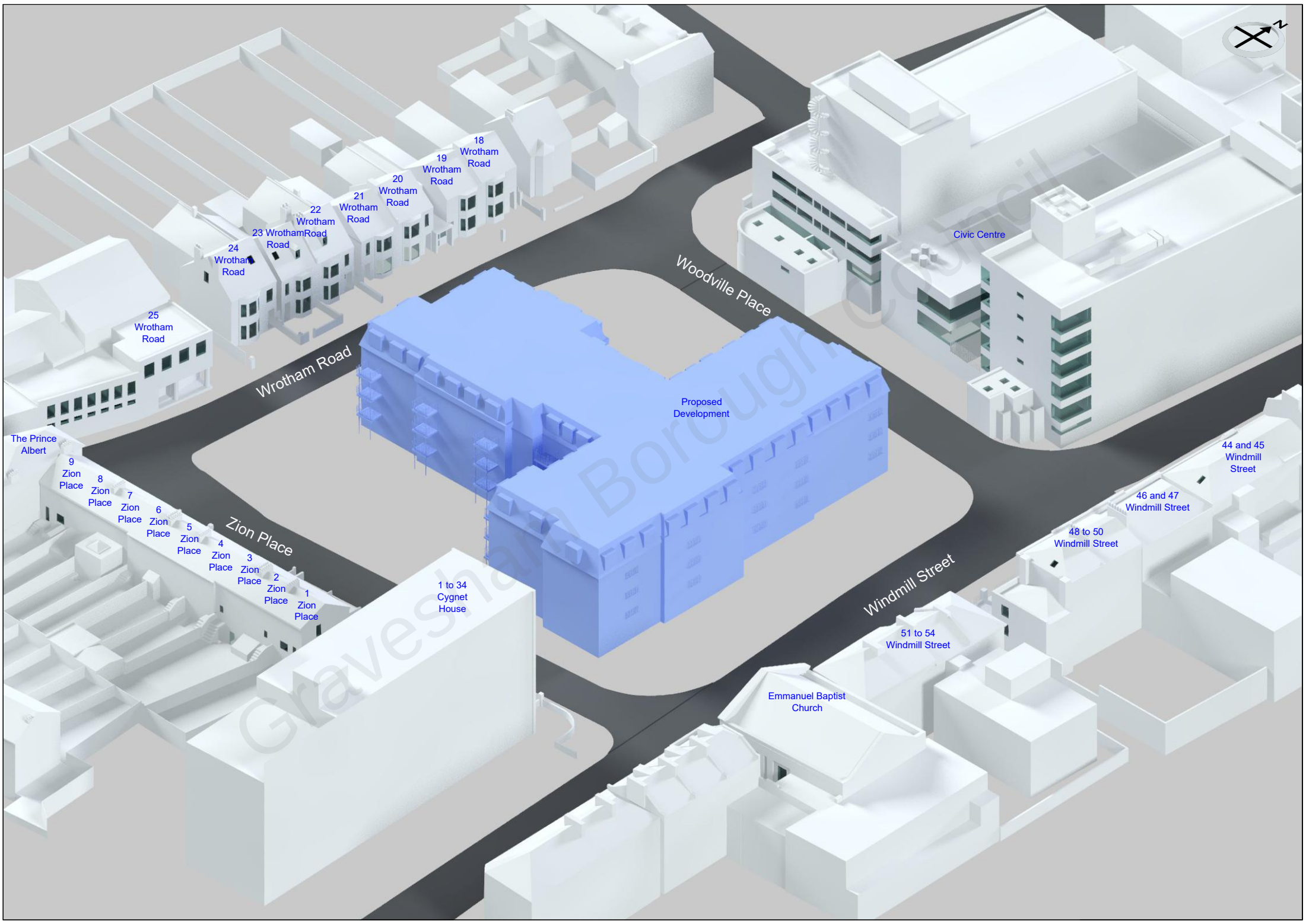
5
Zion
Place

4
Zion
Place

3
Zion
Place

2
Zion
Place

1
Zion
Place



Woodville Place

Wrotham Road

24 Wrotham Road

25 Wrotham Road

The Prince Albert

9 Zion Place

8 Zion Place

7 Zion Place

6 Zion Place

5 Zion Place

4 Zion Place

3 Zion Place

2 Zion Place

1 Zion Place

Zion Place

1 to 34 Cygnet House

Proposed Development

Civic Centre

44 and 45 Windmill Street

46 and 47 Windmill Street

48 to 50 Windmill Street

51 to 54 Windmill Street

Emmanuel Baptist Church

Windmill Street



Civic Centre

44 and 45 Windmill Street

46 and 47 Windmill Street

48 to 50 Windmill Street

51 to 54 Windmill Street

Emmanuel Baptist Church

Windmill Street

Woodville Place

Proposed Development

1 to 34 Cygnet House

18 Wrotham Road

19 Wrotham Road

20 Wrotham Road

21 Wrotham Road

22 Wrotham Road

23 Wrotham Road

24 Wrotham Road

25 Wrotham Road

Wrotham Road

Zion Place

1 Zion Place

2 Zion Place

3 Zion Place

4 Zion Place

5 Zion Place

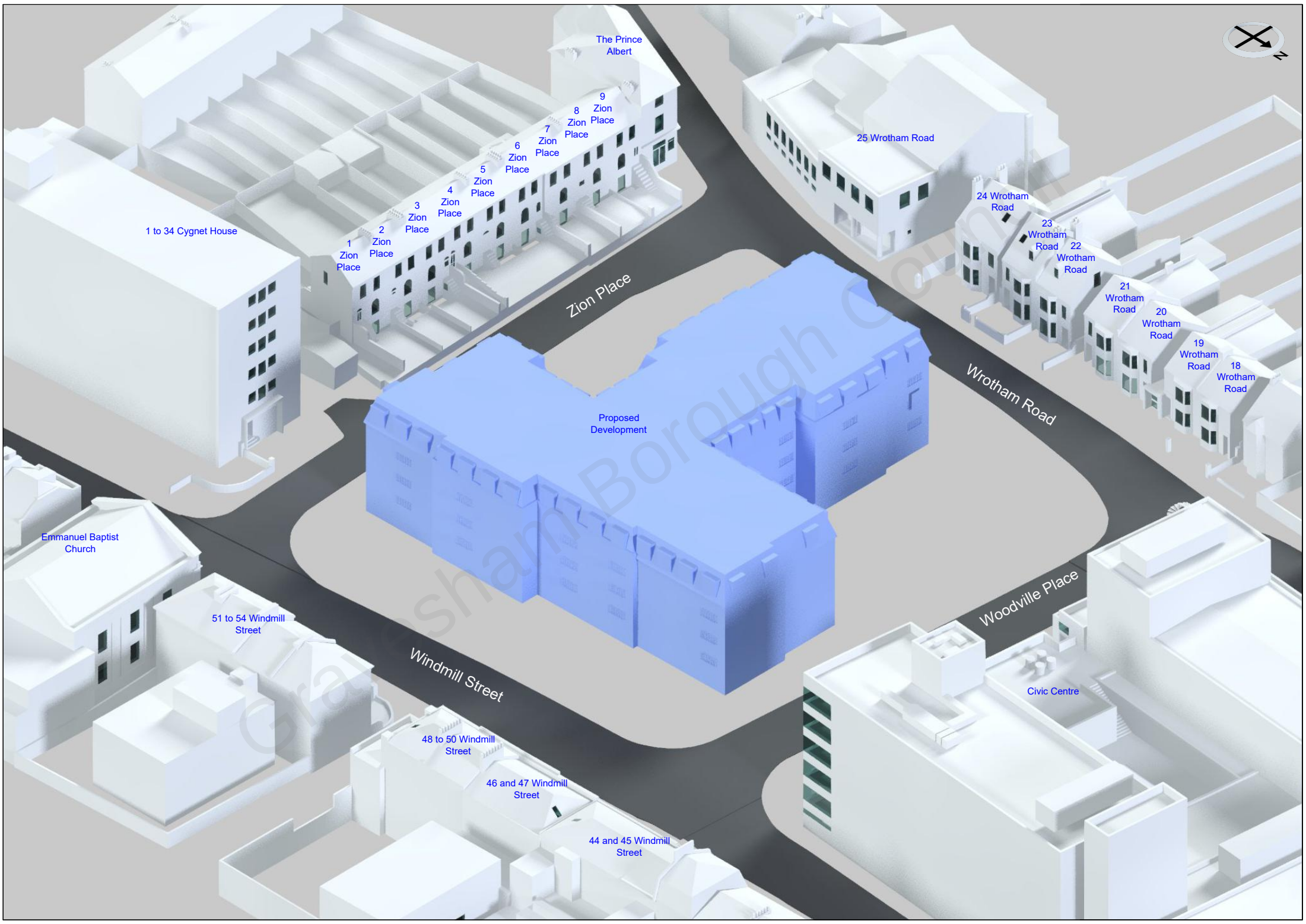
6 Zion Place

7 Zion Place

8 Zion Place

9 Zion Place

The Prince Albert



The Prince Albert

9 Zion Place

8 Zion Place

7 Zion Place

6 Zion Place

5 Zion Place

4 Zion Place

3 Zion Place

2 Zion Place

1 Zion Place

1 to 34 Cygnet House

Zion Place

25 Wrotham Road

24 Wrotham Road

23 Wrotham Road

22 Wrotham Road

21 Wrotham Road

20 Wrotham Road

19 Wrotham Road

18 Wrotham Road

Wrotham Road

Proposed Development

Emmanuel Baptist Church

51 to 54 Windmill Street

Windmill Street

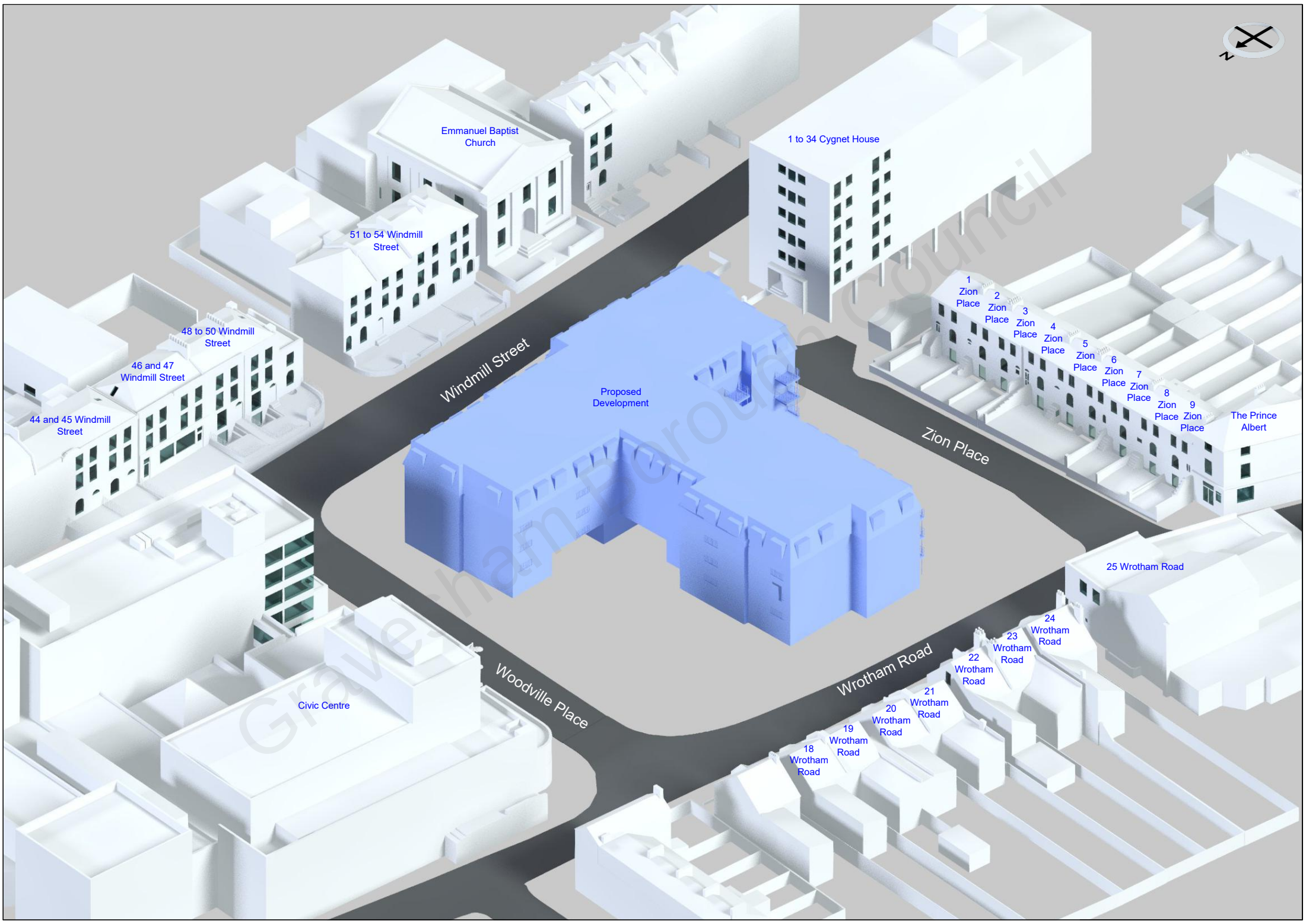
48 to 50 Windmill Street

46 and 47 Windmill Street

44 and 45 Windmill Street

Woodville Place

Civic Centre



Emmanuel Baptist Church

1 to 34 Cygnet House

51 to 54 Windmill Street

48 to 50 Windmill Street

46 and 47 Windmill Street

44 and 45 Windmill Street

Windmill Street

Proposed Development

Zion Place

- 1 Zion Place
 - 2 Zion Place
 - 3 Zion Place
 - 4 Zion Place
 - 5 Zion Place
 - 6 Zion Place
 - 7 Zion Place
 - 8 Zion Place
 - 9 Zion Place
- The Prince Albert

25 Wrotham Road

Civic Centre

Woodville Place

Wrotham Road

- 18 Wrotham Road
- 19 Wrotham Road
- 20 Wrotham Road
- 21 Wrotham Road
- 22 Wrotham Road
- 23 Wrotham Road
- 24 Wrotham Road

Neighbouring Windows



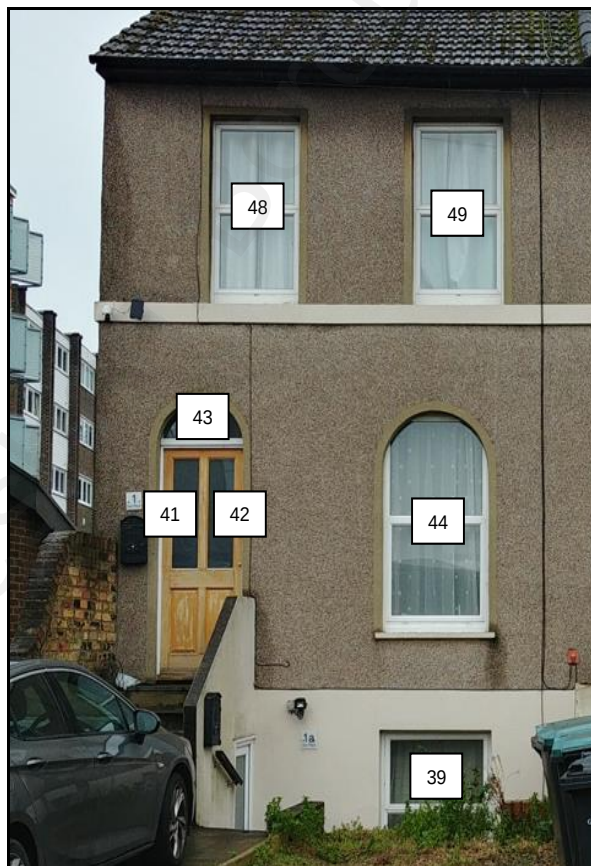
1 to 34 Cygnet House



1 to 34 Cygnet House



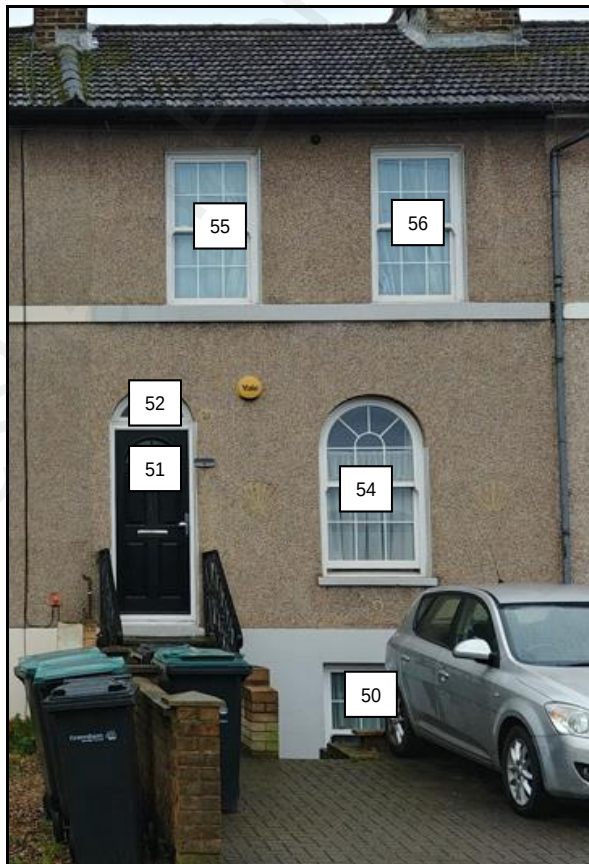
1 to 34 Cygnet House



1 Zion Place



1 Zion Place



2 Zion Place



2 Zion Place



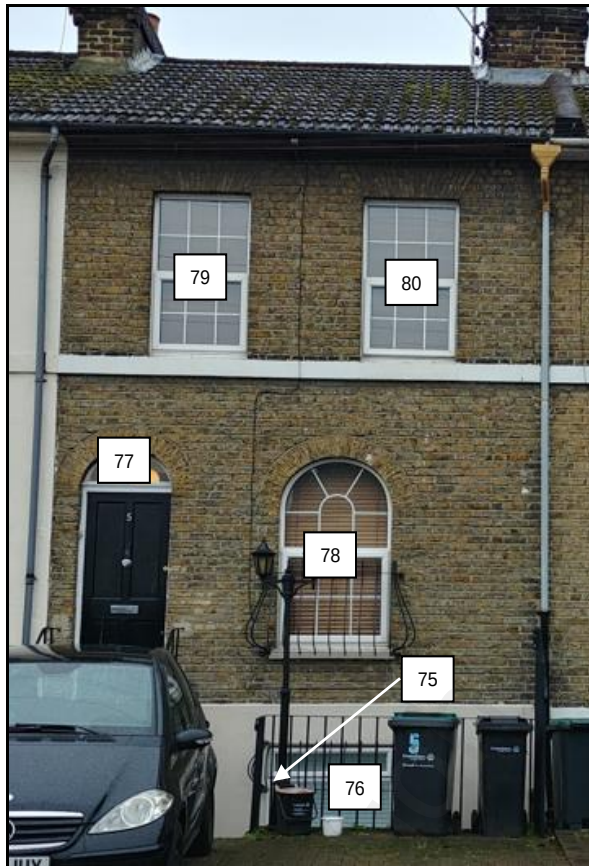
3 Zion Place



3 Zion Place



4 Zion Place



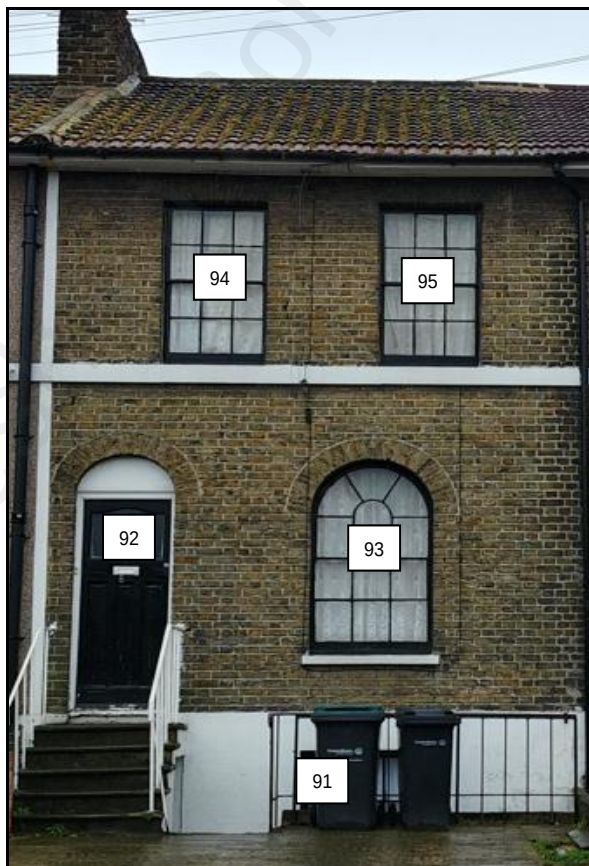
5 Zion Place



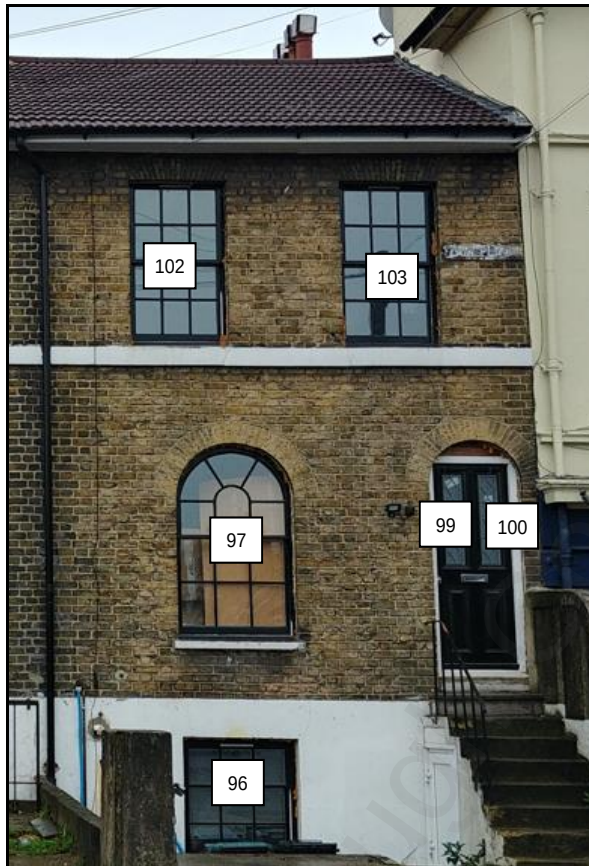
6 Zion Place



7 Zion Place



8 Zion Place



9 Zion Place



9 Zion Place



The Prince Albert



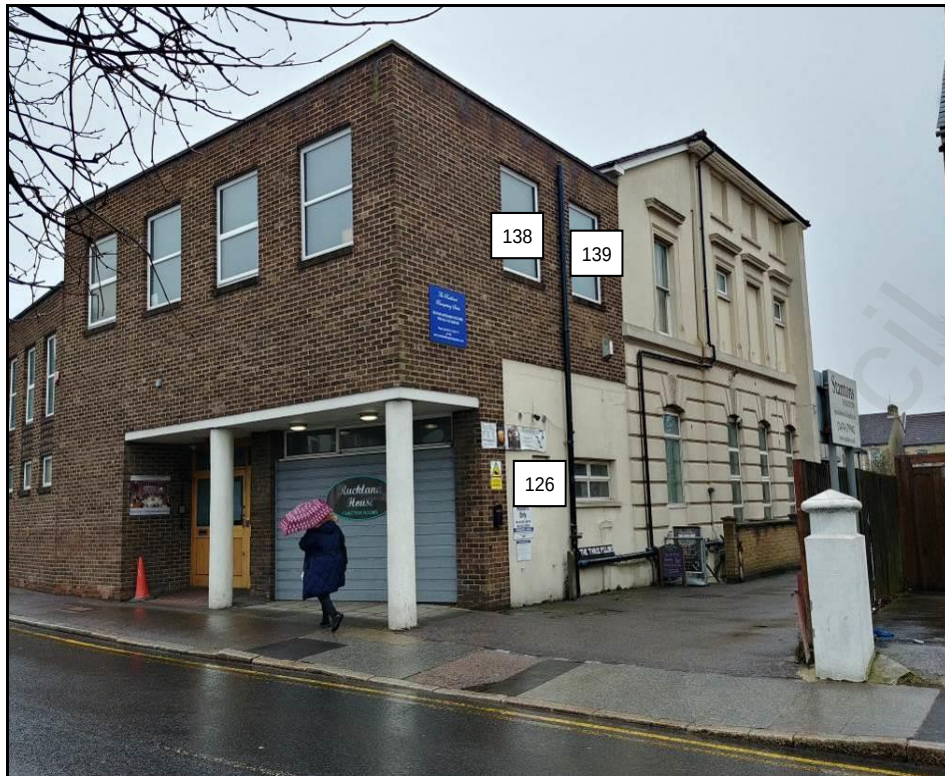
The Prince Albert



25 Wrotham Road



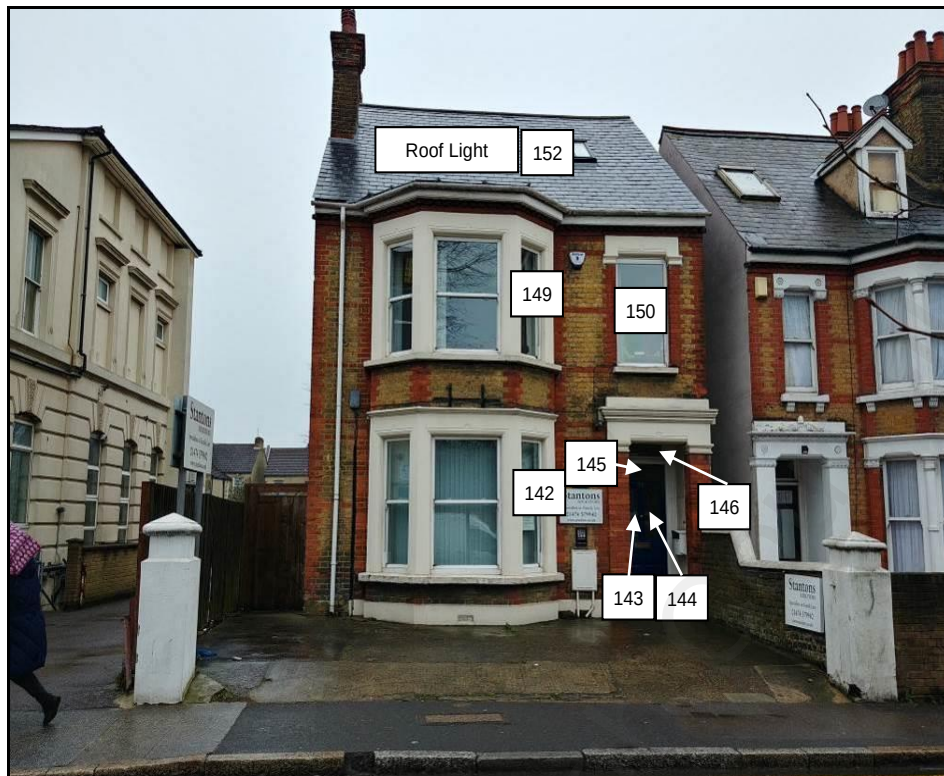
25 Wrotham Road



25 Wrotham Road



24 Wrotham Road



24 Wrotham Road



23 Wrotham Road



22 Wrotham Road



22 Wrotham Road



21 Wrotham Road



20 Wrotham Road



20 Wrotham Road



19 Wrotham Road



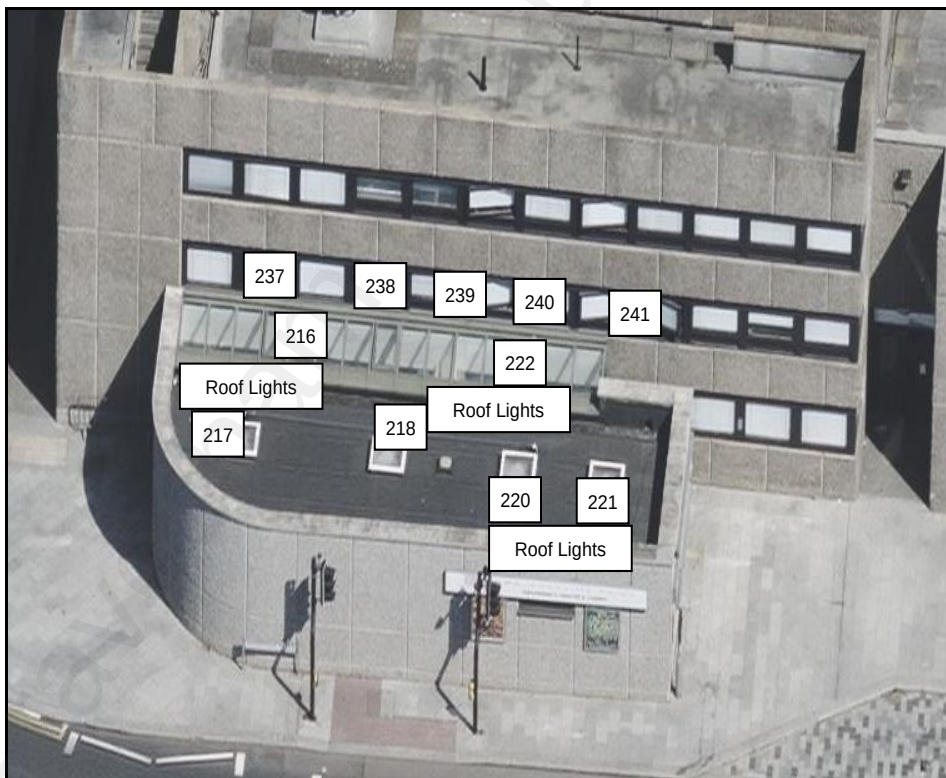
18 Wrotham Road



Civic Centre



Civic Centre



Civic Centre



Civic Centre



Civic Centre



Civic Centre



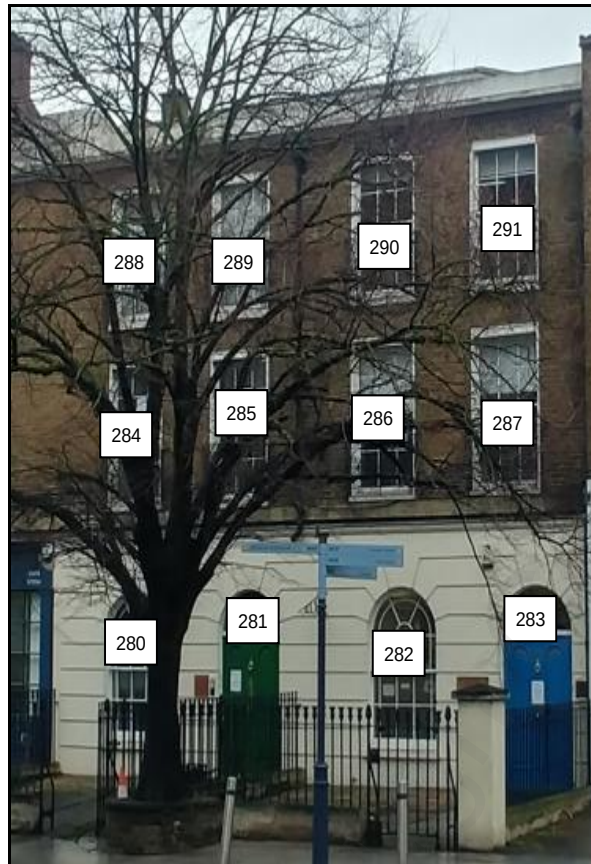
Civic Centre



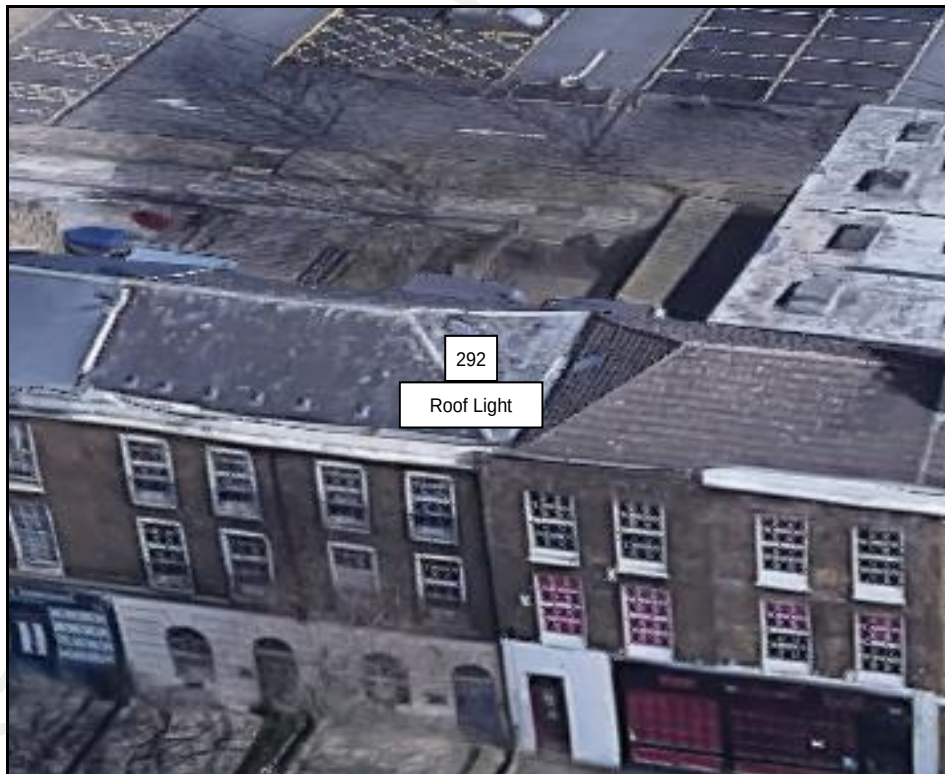
Civic Centre



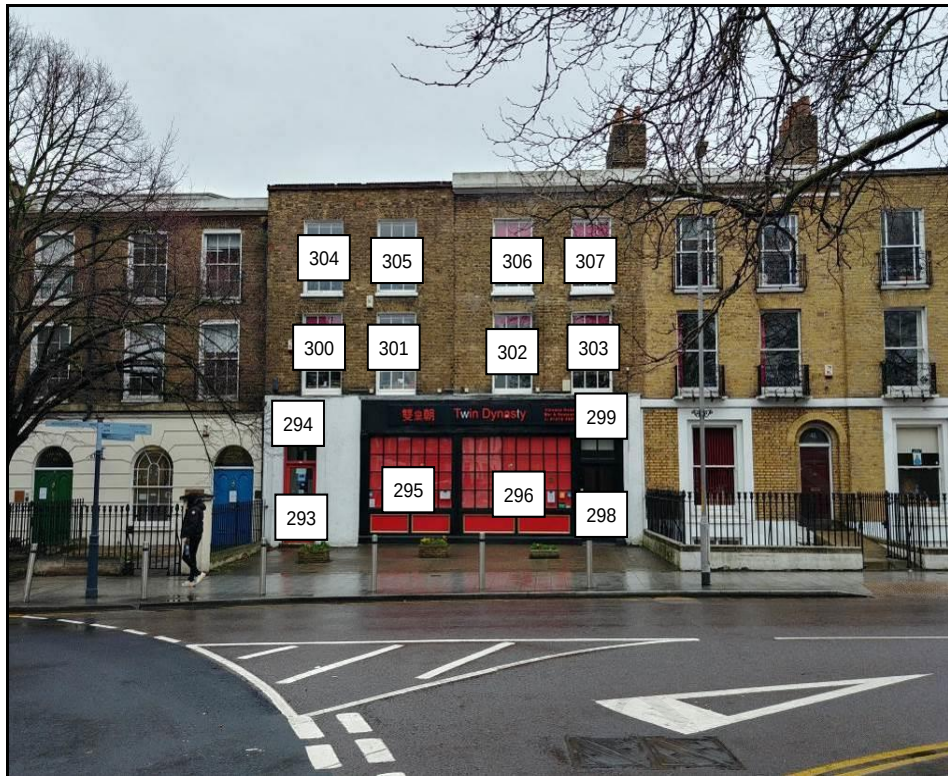
Civic Centre



44 and 45 Windmill Street



44 and 45 Windmill Street



46 and 47 Windmill Street



46 and 47 Windmill Street



48 to 50 Windmill Street



48 to 50 Windmill Street



48 to 50 Windmill Street



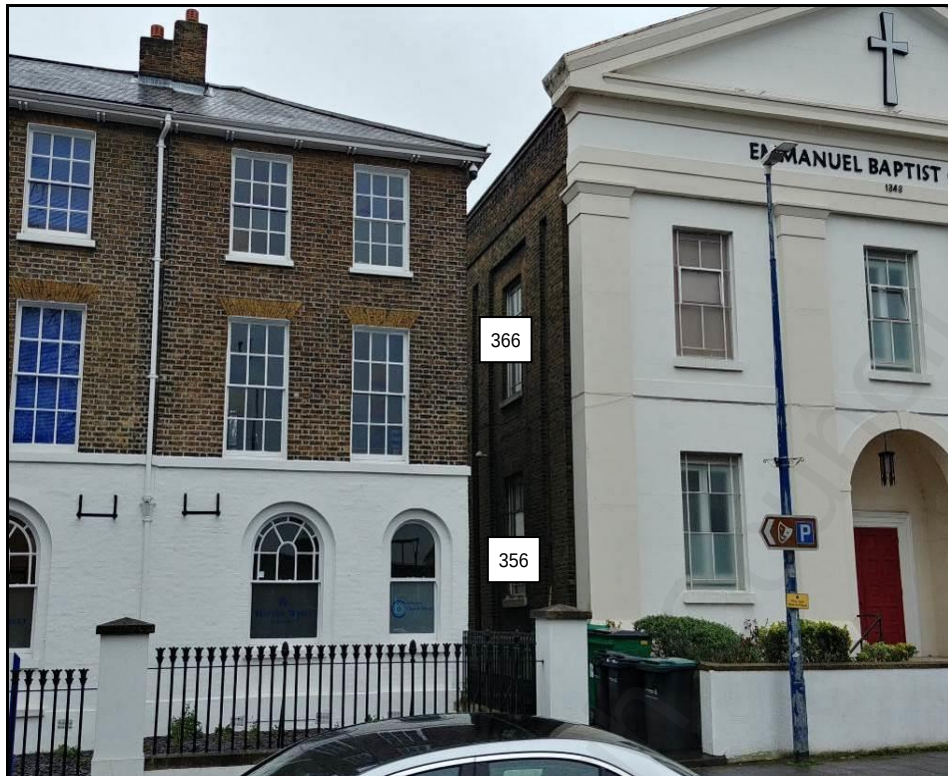
51 to 54 Windmill Street



51 to 54 Windmill Street



Emmanuel Baptist Church



Emmanuel Baptist Church



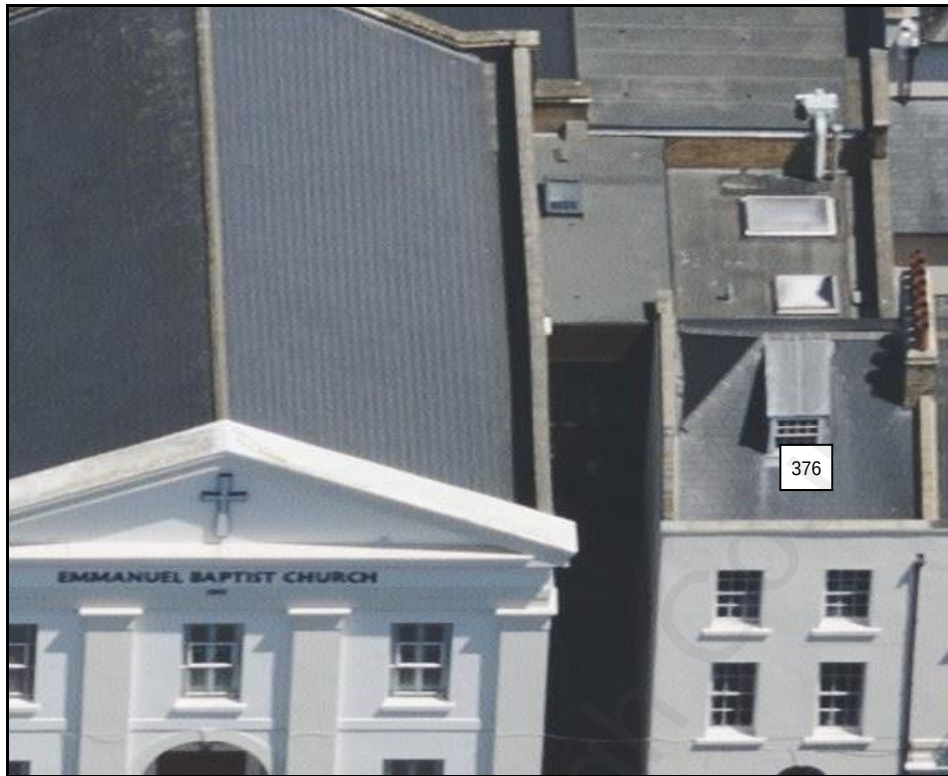
Emmanuel Baptist Church



Emmanuel Baptist Church



Emmanuel Baptist Church



Emmanuel Baptist Church

APPENDIX 2

DAYLIGHT AND SUNLIGHT RESULTS

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>1 to 34 Cygnet House</u>					
<u>Ground Floor</u>					
Window 1	Domestic	0.5%	0.5%	0.0%	1.0
Window 2	Domestic	0.8%	0.9%	-0.1%	1.13
Window 3	Domestic	1.5%	1.6%	-0.1%	1.07
<u>First Floor</u>					
Window 4	Domestic	33.4%	32.7%	0.7%	0.98
Window 5	Domestic	33.0%	32.2%	0.8%	0.98
Window 6	Domestic	32.8%	31.9%	0.9%	0.97
Window 7	Domestic	33.7%	35.4%	-1.7%	1.05
Window 8	Domestic	34.6%	36.0%	-1.4%	1.04
Window 9	Domestic	34.8%	36.0%	-1.2%	1.03
Window 10	Domestic	35.5%	36.5%	-1.0%	1.03
<u>Second Floor</u>					
Window 11	Domestic	35.4%	35.8%	-0.4%	1.01
Window 12	Domestic	35.1%	35.4%	-0.3%	1.01
Window 13	Domestic	35.0%	35.3%	-0.3%	1.01
Window 14	Domestic	36.3%	37.7%	-1.4%	1.04
Window 15	Domestic	37.1%	38.4%	-1.3%	1.04
Window 16	Domestic	37.5%	38.5%	-1.0%	1.03
Window 17	Domestic	37.8%	38.6%	-0.8%	1.02
<u>Third Floor</u>					
Window 18	Domestic	37.2%	38.4%	-1.2%	1.03
Window 19	Domestic	37.0%	38.3%	-1.3%	1.04
Window 20	Domestic	36.9%	38.3%	-1.4%	1.04
Window 21	Domestic	37.7%	38.9%	-1.2%	1.03
Window 22	Domestic	38.3%	39.3%	-1.0%	1.03
Window 23	Domestic	38.6%	39.4%	-0.8%	1.02
Window 24	Domestic	38.7%	39.4%	-0.7%	1.02

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>Fourth Floor</u>					
Window 25	Domestic	38.5%	39.4%	-0.9%	1.02
Window 26	Domestic	38.4%	39.4%	-1.0%	1.03
Window 27	Domestic	38.4%	39.4%	-1.0%	1.03
Window 28	Domestic	38.5%	39.3%	-0.8%	1.02
Window 29	Domestic	39.0%	39.6%	-0.6%	1.02
Window 30	Domestic	39.1%	39.6%	-0.5%	1.01
Window 31	Domestic	39.2%	39.6%	-0.4%	1.01
<u>Fifth Floor</u>					
Window 32	Domestic	39.5%	39.5%	0.0%	1.0
Window 33	Domestic	39.5%	39.5%	0.0%	1.0
Window 34	Domestic	39.5%	39.5%	0.0%	1.0
Window 35	Domestic	39.2%	39.3%	-0.1%	1.0
Window 36	Domestic	39.6%	39.6%	0.0%	1.0
Window 37	Domestic	39.6%	39.6%	0.0%	1.0
Window 38	Domestic	39.6%	39.6%	0.0%	1.0
<u>1 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 39	Kitchen/Bedsit	21.7%	25.0%	-3.3%	1.15
Window 40	Kitchen/Bedsit	25.1%	25.1%	0.0%	1.0
<u>Ground Floor</u>					
Window 41	Entrance Porch	27.8%	30.1%	-2.3%	1.08
Window 42	Entrance Porch	27.8%	30.1%	-2.3%	1.08
Window 43	Entrance Porch	28.5%	30.9%	-2.4%	1.08
Window 44	Kitchen/Lounge	28.1%	31.0%	-2.9%	1.1
Window 45	Kitchen/Lounge	32.4%	32.4%	0.0%	1.0
Window 46	Kitchen/Lounge	31.7%	31.7%	0.0%	1.0
<u>First Floor</u>					
Window 47	Landing	19.3%	18.9%	0.4%	0.98
Window 48	Bedroom	29.7%	32.4%	-2.7%	1.09
Window 49	Bedroom	29.7%	32.7%	-3.0%	1.1

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>2 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 50	Living Room	23.5%	27.3%	-3.8%	1.16
<u>Ground Floor</u>					
Window 51	Hallway	27.9%	31.3%	-3.4%	1.12
Window 52	Hallway	28.3%	31.7%	-3.4%	1.12
Window 53	Hallway	33.4%	33.4%	0.0%	1.0
Window 54	Bedroom	28.0%	31.7%	-3.7%	1.13
<u>First Floor</u>					
Window 55	Bedroom	29.6%	33.1%	-3.5%	1.12
Window 56	Bedroom	29.6%	33.3%	-3.7%	1.13
<u>3 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 57	Dining/Kitchen	22.0%	26.2%	-4.2%	1.19
Window 58	Dining/Kitchen	26.3%	26.3%	0.0%	1.0
Window 59	Bathroom/WC	15.0%	14.5%	0.5%	0.97
<u>Ground Floor</u>					
Window 60	Living Room	28.1%	32.2%	-4.1%	1.15
Window 61	Hallway	27.9%	32.0%	-4.1%	1.15
Window 62	Hallway	28.5%	32.6%	-4.1%	1.14
Window 63	Hallway	33.9%	33.9%	0.0%	1.0
<u>First Floor</u>					
Window 64	Bedroom	29.7%	33.6%	-3.9%	1.13
Window 65	Bedroom	29.8%	33.8%	-4.0%	1.13
<u>4 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 66	Domestic	21.0%	25.4%	-4.4%	1.21

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>Ground Floor</u>					
Window 67	Entrance	19.8%	23.6%	-3.8%	1.19
Window 68	Entrance	20.3%	24.9%	-4.6%	1.23
Window 69	Entrance	24.7%	28.8%	-4.1%	1.17
Window 70	Entrance	26.9%	30.9%	-4.0%	1.15
Window 71	Entrance	26.8%	30.8%	-4.0%	1.15
Window 72	Domestic	28.7%	32.6%	-3.9%	1.14
<u>First Floor</u>					
Window 73	Domestic	28.7%	32.6%	-3.9%	1.14
Window 74	Domestic	29.2%	33.0%	-3.8%	1.13
<u>5 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 75	Domestic	16.6%	16.8%	-0.2%	1.01
Window 76	Domestic	25.4%	29.5%	-4.1%	1.16
<u>Ground Floor</u>					
Window 77	Entrance	29.4%	33.0%	-3.6%	1.12
Window 78	Domestic	29.6%	33.0%	-3.4%	1.11
<u>First Floor</u>					
Window 79	Domestic	29.7%	33.2%	-3.5%	1.12
Window 80	Domestic	30.0%	33.3%	-3.3%	1.11
<u>6 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 81	Domestic	25.5%	28.7%	-3.2%	1.13
Window 82	Domestic	14.7%	15.5%	-0.8%	1.05
<u>Ground Floor</u>					
Window 83	Domestic	30.4%	33.3%	-2.9%	1.1
Window 84	Domestic	28.7%	31.3%	-2.6%	1.09

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>First Floor</u>					
Window 85	Domestic	30.6%	33.4%	-2.8%	1.09
Window 86	Domestic	30.5%	33.1%	-2.6%	1.09
<u>7 Zion Place</u>					
<u>Basement Floor</u>					
Window 87	Bedroom	25.9%	28.6%	-2.7%	1.1
<u>Ground Floor</u>					
Window 88	Living Room	31.7%	34.0%	-2.3%	1.07
<u>First Floor</u>					
Window 89	Bedroom	32.7%	35.0%	-2.3%	1.07
Window 90	Bedroom	33.0%	35.1%	-2.1%	1.06
<u>8 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 91	Bedroom	28.5%	30.5%	-2.0%	1.07
<u>Ground Floor</u>					
Window 92	Entrance Hall	31.9%	33.9%	-2.0%	1.06
Window 93	Bedroom	32.4%	34.2%	-1.8%	1.06
<u>First Floor</u>					
Window 94	Bedroom	33.4%	35.3%	-1.9%	1.06
Window 95	Bedroom	33.6%	35.4%	-1.8%	1.05
<u>9 Zion Place</u>					
<u>Lower Groound Floor</u>					
Window 96	Lounge	28.6%	30.0%	-1.4%	1.05
<u>Ground Floor</u>					
Window 97	Lounge	32.8%	34.2%	-1.4%	1.04

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 98	Lounge	28.4%	28.4%	0.0%	1.0
Window 99	Entrance	32.7%	33.8%	-1.1%	1.03
Window 100	Entrance	32.5%	33.6%	-1.1%	1.03
Window 101	Entrance	22.1%	22.1%	0.0%	1.0
<u>First Floor</u>					
Window 102	Bedroom	34.0%	35.4%	-1.4%	1.04
Window 103	Bedroom	34.2%	35.4%	-1.2%	1.04
<u>The Prince Albert</u>					
<u>Ground Floor</u>					
Window 104	Non Domestic	29.2%	30.1%	-0.9%	1.03
Window 105	Non Domestic	29.4%	30.3%	-0.9%	1.03
Window 106	Non Domestic	28.5%	29.3%	-0.8%	1.03
Window 107	Non Domestic	29.3%	30.0%	-0.7%	1.02
Window 108	Non Domestic	29.1%	29.7%	-0.6%	1.02
Window 109	Non Domestic	27.3%	27.3%	0.0%	1.0
<u>First Floor</u>					
Window 110	Domestic	34.2%	35.1%	-0.9%	1.03
Window 111	Domestic	34.5%	34.5%	0.0%	1.0
<u>Second Floor</u>					
Window 112	Domestic	33.1%	33.9%	-0.8%	1.02
Window 113	Domestic	34.6%	34.6%	0.0%	1.0
<u>25 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 114	Dining Room	27.6%	28.0%	-0.4%	1.01
Window 115	Dining Room	28.5%	29.0%	-0.5%	1.02
Window 116	Dining Room	29.2%	29.7%	-0.5%	1.02
Window 117	Dining Room	29.8%	30.3%	-0.5%	1.02
Window 118	Dining Room	30.2%	30.7%	-0.5%	1.02
Window 119	Dining Room	30.4%	31.0%	-0.6%	1.02

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 120	Dining Room	30.7%	31.2%	-0.5%	1.02
Window 121	Entrance	4.9%	4.9%	0.0%	1.0
Window 122	Entrance	5.7%	6.7%	-1.0%	1.18
Window 123	Entrance	5.4%	5.3%	0.1%	0.98
Window 124	Entrance	0.5%	0.2%	0.3%	0.4
Window 125	Bathroom/WC	0.9%	0.4%	0.5%	0.44
Window 126	Bathroom/WC	26.6%	24.8%	1.8%	0.93
<u>First Floor</u>					
Window 127	Meeting Room	30.3%	30.8%	-0.5%	1.02
Window 128	Meeting Room	30.9%	31.5%	-0.6%	1.02
Window 129	Meeting Room	31.4%	31.9%	-0.5%	1.02
Window 130	Meeting Room	31.8%	32.4%	-0.6%	1.02
Window 131	Meeting Room	32.1%	32.6%	-0.5%	1.02
Window 132	Meeting Room	32.2%	32.8%	-0.6%	1.02
Window 133	Meeting Room	32.4%	33.0%	-0.6%	1.02
Window 134	Landing	33.6%	34.3%	-0.7%	1.02
Window 135	Meeting Room	33.7%	34.2%	-0.5%	1.01
Window 136	Meeting Room	33.5%	34.0%	-0.5%	1.01
Window 137	Meeting Room	33.4%	33.8%	-0.4%	1.01
Window 138	Meeting Room	33.9%	32.8%	1.1%	0.97
Window 139	Meeting Room	32.3%	31.3%	1.0%	0.97
<u>24 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 140	Living Room	26.0%	25.6%	0.4%	0.98
Window 141	Living Room	30.8%	28.5%	2.3%	0.93
Window 142	Living Room	29.9%	26.6%	3.3%	0.89
Window 143	Hallway	8.6%	5.1%	3.5%	0.59
Window 144	Hallway	7.0%	6.3%	0.7%	0.9
Window 145	Hallway	3.4%	1.5%	1.9%	0.44
Window 146	Hallway	0.0%	0.0%	0.0%	1.0

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>First Floor</u>					
Window 147	Living Room	30.1%	30.0%	0.1%	1.0
Window 148	Living Room	33.0%	31.4%	1.6%	0.95
Window 149	Living Room	32.4%	30.0%	2.4%	0.93
Window 150	Bedroom	32.9%	30.9%	2.0%	0.94
<u>Second Floor</u>					
Window 151	Kitchen	32.1%	32.2%	-0.1%	1.0
Window 152	Bathroom/WC	81.4%	81.4%	0.0%	1.0
<u>23 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 153	Enrance Hall	10.2%	6.0%	4.2%	0.59
Window 154	Enrance Hall	8.4%	6.8%	1.6%	0.81
Window 155	Enrance Hall	4.6%	1.6%	3.0%	0.35
Window 156	Enrance Hall	0.7%	0.0%	0.7%	0.0
Window 157	Sitting Room	25.8%	24.4%	1.4%	0.95
Window 158	Sitting Room	31.7%	28.0%	3.7%	0.88
Window 159	Sitting Room	26.2%	22.8%	3.4%	0.87
<u>First Floor</u>					
Window 160	Bedroom	32.2%	29.7%	2.5%	0.92
Window 161	Bedroom	29.1%	28.1%	1.0%	0.97
Window 162	Bedroom	33.4%	30.5%	2.9%	0.91
Window 163	Bedroom	28.9%	26.2%	2.7%	0.91
<u>Second Floor</u>					
Window 164	Domestic	76.6%	76.4%	0.2%	1.0
Window 165	Domestic	35.5%	34.2%	1.3%	0.96
<u>22 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 166	Living Room	24.8%	22.9%	1.9%	0.92
Window 167	Living Room	32.0%	28.3%	3.7%	0.88
Window 168	Living Room	29.3%	26.5%	2.8%	0.9

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 169	Lobby	11.1%	7.5%	3.6%	0.68
Window 170	Lobby	1.4%	0.2%	1.2%	0.14
<u>First Floor</u>					
Window 171	Living Room	28.0%	26.6%	1.4%	0.95
Window 172	Living Room	33.7%	30.8%	2.9%	0.91
Window 173	Living Room	31.4%	29.0%	2.4%	0.92
Window 174	Living Room	32.9%	30.2%	2.7%	0.92
<u>Second Floor</u>					
Window 175	Bedroom	35.7%	34.3%	1.4%	0.96
Window 176	Bedroom	32.2%	32.1%	0.1%	1.0
<u>21 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 177	Entrance	1.2%	0.1%	1.1%	0.08
Window 178	Domestic	26.6%	24.4%	2.2%	0.92
Window 179	Domestic	32.1%	29.2%	2.9%	0.91
Window 180	Domestic	26.5%	24.8%	1.7%	0.94
<u>First Floor</u>					
Window 181	Domestic	32.6%	30.1%	2.5%	0.92
Window 182	Domestic	30.2%	28.4%	1.8%	0.94
Window 183	Domestic	34.0%	31.5%	2.5%	0.93
Window 184	Domestic	29.6%	28.0%	1.6%	0.95
<u>20 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 185	Domestic	26.3%	24.2%	2.1%	0.92
Window 186	Domestic	32.3%	29.7%	2.6%	0.92
Window 187	Domestic	26.6%	25.4%	1.2%	0.95
Window 188	Entrance	1.5%	0.3%	1.2%	0.2
Window 189	Domestic	20.4%	18.7%	1.7%	0.92
Window 190	Non Habitable	14.7%	12.7%	2.0%	0.86

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 191	Non Habitable	14.5%	12.4%	2.1%	0.86
Window 192	Non Habitable	0.9%	0.3%	0.6%	0.33
<u>First Floor</u>					
Window 193	Domestic	29.6%	27.9%	1.7%	0.94
Window 194	Domestic	34.2%	32.0%	2.2%	0.94
Window 195	Domestic	31.4%	30.2%	1.2%	0.96
Window 196	Hallway	33.0%	31.1%	1.9%	0.94
Window 197	Hallway	13.9%	13.1%	0.8%	0.94
<u>19 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 198	Entrance	5.4%	4.7%	0.7%	0.87
Window 199	Entrance	1.0%	0.4%	0.6%	0.4
Window 200	Domestic	27.5%	25.7%	1.8%	0.93
Window 201	Domestic	32.5%	30.7%	1.8%	0.94
Window 202	Domestic	25.9%	25.2%	0.7%	0.97
<u>First Floor</u>					
Window 203	Domestic	31.8%	30.4%	1.4%	0.96
Window 204	Domestic	34.2%	32.6%	1.6%	0.95
Window 205	Domestic	29.1%	28.4%	0.7%	0.98
<u>18 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 206	Domestic	27.3%	25.7%	1.6%	0.94
Window 207	Domestic	32.4%	30.8%	1.6%	0.95
Window 208	Domestic	27.3%	26.7%	0.6%	0.98
Window 209	Entrance	8.3%	7.7%	0.6%	0.93
Window 210	Entrance	1.1%	0.5%	0.6%	0.45
<u>First Floor</u>					
Window 211	Domestic	30.4%	29.1%	1.3%	0.96
Window 212	Domestic	34.0%	32.7%	1.3%	0.96
Window 213	Domestic	30.2%	29.7%	0.5%	0.98

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>Civic Centre</u>					
<u>Basement Floor</u>					
Window 214	Non Domestic	29.4%	26.5%	2.9%	0.9
Window 215	Non Domestic	28.6%	28.6%	0.0%	1.0
<u>Ground Floor</u>					
Window 216	Workshop Area	54.8%	54.4%	0.4%	0.99
Window 217	Workshop Area	75.4%	75.0%	0.4%	0.99
Window 218	Workshop Area	74.8%	74.3%	0.5%	0.99
Window 219	Mess Room	33.6%	31.2%	2.4%	0.93
Window 220	Mess Room	74.5%	73.9%	0.6%	0.99
Window 221	Mess Room	74.3%	73.7%	0.6%	0.99
Window 222	Lobby	54.8%	54.2%	0.6%	0.99
Window 223	Office	31.6%	29.0%	2.6%	0.92
Window 224	Office	11.8%	10.2%	1.6%	0.86
Window 225	Non Domestic	13.6%	12.2%	1.4%	0.9
Window 226	Non Domestic	13.1%	12.7%	0.4%	0.97
Window 227	Reprographics	34.0%	29.9%	4.1%	0.88
Window 228	Reprographics	10.0%	9.3%	0.7%	0.93
Window 229	Office	11.9%	11.5%	0.4%	0.97
Window 230	Office	20.1%	19.6%	0.5%	0.98
Window 231	Office	32.6%	28.6%	4.0%	0.88
Window 232	Refuse Store	57.3%	55.9%	1.4%	0.98
Window 233	Refuse Store	69.4%	67.4%	2.0%	0.97
Window 234	Refuse Store	57.4%	56.0%	1.4%	0.98
Window 235	Office	33.5%	30.5%	3.0%	0.91
Window 236	Office	31.2%	31.2%	0.0%	1.0
<u>First Floor</u>					
Window 237	Office	36.0%	35.0%	1.0%	0.97
Window 238	Office	36.0%	34.8%	1.2%	0.97
Window 239	Bathroom/WC	36.0%	34.6%	1.4%	0.96

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 240	Store	36.0%	34.5%	1.5%	0.96
Window 241	Office	36.0%	34.3%	1.7%	0.95
Window 242	Office	35.9%	33.9%	2.0%	0.94
Window 243	Office	15.7%	14.5%	1.2%	0.92
Window 244	Staff Kitchen/Staff Canteen	9.4%	9.2%	0.2%	0.98
Window 245	Staff Kitchen/Staff Canteen	35.8%	32.6%	3.2%	0.91
Window 246	Staff Kitchen/Staff Canteen	11.7%	11.1%	0.6%	0.95
Window 247	Hallway	16.0%	16.0%	0.0%	1.0
Window 248	Hallway	19.7%	18.1%	1.6%	0.92
Window 249	Office	21.1%	20.8%	0.3%	0.99
Window 250	Office	27.8%	27.4%	0.4%	0.99
Window 251	Office	35.8%	32.5%	3.3%	0.91
Window 252	Bathroom/WC	36.2%	33.7%	2.5%	0.93
Window 253	Office	35.8%	33.6%	2.2%	0.94
Window 254	Office	34.4%	34.4%	0.0%	1.0

Second Floor

Window 255	Office	37.3%	36.7%	0.6%	0.98
Window 256	Office	37.2%	36.5%	0.7%	0.98
Window 257	Bathroom/WC	37.2%	36.4%	0.8%	0.98
Window 258	Store	37.2%	36.3%	0.9%	0.98
Window 259	Office	37.1%	36.1%	1.0%	0.97
Window 260	Office	37.1%	35.8%	1.3%	0.96
Window 261	Office	31.5%	30.7%	0.8%	0.97
Window 262	Non Domestic	32.6%	32.5%	0.1%	1.0
Window 263	Non Domestic	33.5%	33.2%	0.3%	0.99
Window 264	Non Domestic	37.1%	35.2%	1.9%	0.95
Window 265	Non Domestic	37.4%	36.1%	1.3%	0.97
Window 266	Non Domestic	37.2%	35.9%	1.3%	0.97
Window 267	Non Domestic	37.3%	37.3%	0.0%	1.0

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>Third Floor</u>					
Window 268	Non Domestic	35.3%	35.2%	0.1%	1.0
Window 269	Non Domestic	35.7%	35.6%	0.1%	1.0
Window 270	Non Domestic	38.1%	37.6%	0.5%	0.99
Window 271	Non Domestic	38.4%	38.2%	0.2%	0.99
Window 272	Non Domestic	38.3%	37.9%	0.4%	0.99
Window 273	Non Domestic	39.4%	39.4%	0.0%	1.0
<u>Fourth Floor</u>					
Window 274	Non Domestic	37.4%	37.4%	0.0%	1.0
Window 275	Non Domestic	37.5%	37.6%	-0.1%	1.0
Window 276	Non Domestic	38.8%	39.3%	-0.5%	1.01
Window 277	Non Domestic	39.0%	39.5%	-0.5%	1.01
Window 278	Non Domestic	38.9%	39.3%	-0.4%	1.01
Window 279	Non Domestic	39.6%	39.6%	0.0%	1.0
<u>44 and 45 Windmill Street</u>					
<u>Ground Floor</u>					
Window 280	Non Domestic	27.4%	26.3%	1.1%	0.96
Window 281	Non Domestic	28.7%	27.4%	1.3%	0.95
Window 282	Non Domestic	29.6%	28.2%	1.4%	0.95
Window 283	Non Domestic	29.8%	28.2%	1.6%	0.95
<u>First Floor</u>					
Window 284	Domestic	29.7%	28.9%	0.8%	0.97
Window 285	Domestic	30.6%	29.7%	0.9%	0.97
Window 286	Domestic	31.7%	30.6%	1.1%	0.97
Window 287	Domestic	32.1%	30.8%	1.3%	0.96
<u>Second Floor</u>					
Window 288	Domestic	31.6%	31.1%	0.5%	0.98
Window 289	Domestic	32.2%	31.7%	0.5%	0.98
Window 290	Domestic	33.1%	32.4%	0.7%	0.98
Window 291	Domestic	33.4%	32.7%	0.7%	0.98
Window 292	Domestic	92.8%	92.7%	0.1%	1.0

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
<u>46 and 47 Windmill Street</u>					
<u>Ground Floor</u>					
Window 293	Entrance	29.6%	27.8%	1.8%	0.94
Window 294	Entrance	29.4%	27.7%	1.7%	0.94
Window 295	Restaurant	31.2%	29.1%	2.1%	0.93
Window 296	Restaurant	31.6%	29.3%	2.3%	0.93
Window 297	Restaurant	33.7%	33.7%	0.0%	1.0
Window 298	Entrance	31.1%	28.6%	2.5%	0.92
Window 299	Entrance	30.3%	27.8%	2.5%	0.92
<u>First Floor</u>					
Window 300	Domestic	33.0%	31.5%	1.5%	0.95
Window 301	Domestic	33.4%	31.7%	1.7%	0.95
Window 302	Domestic	33.8%	31.9%	1.9%	0.94
Window 303	Domestic	34.1%	32.0%	2.1%	0.94
<u>Second Floor</u>					
Window 304	Domestic	34.9%	34.0%	0.9%	0.97
Window 305	Domestic	35.2%	34.2%	1.0%	0.97
Window 306	Domestic	35.3%	34.1%	1.2%	0.97
Window 307	Domestic	35.5%	34.2%	1.3%	0.96
Window 308	Domestic	80.2%	80.2%	0.0%	1.0
<u>48 to 50 Windmill Street</u>					
<u>Basement Floor</u>					
Window 309	Domestic	19.8%	19.7%	0.1%	0.99
Window 310	Domestic	20.2%	20.0%	0.2%	0.99
<u>Ground Floor</u>					
Window 311	Domestic	32.6%	29.7%	2.9%	0.91
Window 312	Entrance	29.7%	26.4%	3.3%	0.89
Window 313	Domestic	32.9%	29.2%	3.7%	0.89
Window 314	Entrance	29.8%	25.7%	4.1%	0.86
Window 315	Domestic	33.5%	29.1%	4.4%	0.87

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 316 (BW)	Domestic	19.1%	18.2%	0.9%	0.95
<u>First Floor</u>					
Window 317	Domestic	34.5%	32.1%	2.4%	0.93
Window 318	Domestic	34.7%	32.0%	2.7%	0.92
Window 319	Domestic	34.9%	31.8%	3.1%	0.91
Window 320	Domestic	35.0%	31.6%	3.4%	0.9
Window 321	Domestic	34.7%	30.8%	3.9%	0.89
Window 322 (BW)	Domestic	24.2%	23.6%	0.6%	0.98
<u>Second Floor</u>					
Window 323	Domestic	35.7%	34.1%	1.6%	0.96
Window 324	Domestic	35.8%	34.0%	1.8%	0.95
Window 325	Domestic	36.2%	34.1%	2.1%	0.94
Window 326	Domestic	36.3%	34.0%	2.3%	0.94
Window 327	Domestic	90.8%	90.7%	0.1%	1.0
<u>51 to 54 Windmill Street</u>					
<u>Ground Floor</u>					
Window 328	Reception	34.2%	29.1%	5.1%	0.85
Window 329	Reception	34.2%	29.2%	5.0%	0.85
Window 330	Entrance	27.4%	22.5%	4.9%	0.82
Window 331	Office	34.1%	29.1%	5.0%	0.85
Window 332	Office	33.6%	28.9%	4.7%	0.86
Window 333	Office	33.3%	28.9%	4.4%	0.87
Window 334	Office	32.9%	29.0%	3.9%	0.88
Window 335	Office	32.6%	29.1%	3.5%	0.89
<u>First Floor</u>					
Window 336	Office	35.4%	31.3%	4.1%	0.88
Window 337	Office	35.3%	31.3%	4.0%	0.89
Window 338	Office	35.3%	31.3%	4.0%	0.89
Window 339	Office	35.2%	31.2%	4.0%	0.89
Window 340	Office	35.1%	31.5%	3.6%	0.9

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 341	Office	34.9%	31.5%	3.4%	0.9
Window 342	Office	34.6%	31.5%	3.1%	0.91
Window 343	Office	34.4%	31.5%	2.9%	0.92
<u>Second Floor</u>					
Window 344	Domestic	34.7%	31.8%	2.9%	0.92
Window 345	Domestic	34.6%	31.8%	2.8%	0.92
Window 346	Domestic	34.6%	31.8%	2.8%	0.92
Window 347	Domestic	34.6%	31.8%	2.8%	0.92
Window 348	Domestic	35.0%	32.6%	2.4%	0.93
Window 349	Domestic	34.8%	32.6%	2.2%	0.94
Window 350	Domestic	34.6%	32.5%	2.1%	0.94
Window 351	Domestic	34.4%	32.5%	1.9%	0.94
<u>Emmanuel Baptist Church</u>					
<u>Ground Floor</u>					
Window 352	Sanctuary	15.8%	15.8%	0.0%	1.0
Window 353	Sanctuary	21.9%	21.9%	0.0%	1.0
Window 354	Sanctuary	17.0%	17.0%	0.0%	1.0
Window 355	Sanctuary	2.7%	2.7%	0.0%	1.0
Window 356	Non Domestic	4.5%	4.3%	0.2%	0.96
Window 357	Foyer	31.6%	29.3%	2.3%	0.93
Window 358	Foyer	29.5%	28.5%	1.0%	0.97
Window 359	Non Domestic	3.4%	3.4%	0.0%	1.0
Window 360	Non Domestic	21.6%	21.4%	0.2%	0.99
Window 361	Non Domestic	22.3%	21.8%	0.5%	0.98
Window 362	Non Domestic	9.0%	8.5%	0.5%	0.94
Window 363	Ministers Office	28.4%	28.1%	0.3%	0.99
<u>First Floor</u>					
Window 364	Non Domestic	33.5%	33.5%	0.0%	1.0
Window 365	Non Domestic	27.8%	27.9%	-0.1%	1.0
Window 366	Non Domestic	13.7%	13.6%	0.1%	0.99
Window 367	Non Domestic	33.1%	31.9%	1.2%	0.96

Appendix 2 - Vertical Sky Component

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Vertical Sky Component			
		Before	After	Loss	Ratio
Window 368	Non Domestic	32.6%	31.8%	0.8%	0.98
Window 369	Non Domestic	31.4%	31.0%	0.4%	0.99
Window 370	Non Domestic	8.1%	8.1%	0.0%	1.0
Window 371	Non Domestic	15.8%	15.8%	0.0%	1.0
Window 372	Secretarys Office	30.7%	30.5%	0.2%	0.99
Window 373	Secretarys Office	29.9%	29.8%	0.1%	1.0
<u>Second Floor</u>					
Window 374	Non Domestic	32.8%	32.9%	-0.1%	1.0
Window 375	Non Domestic	32.1%	32.2%	-0.1%	1.0
<u>Third Floor</u>					
Window 376	Non Domestic	35.2%	35.5%	-0.3%	1.01

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
<u>1 Zion Place</u>					
<u>Lower Ground Floor</u>					
Windows 39 & 40	Kitchen/Bedsit	92%	92%	0.0%	1.0
<u>Ground Floor</u>					
Windows 41 to 43	Entrance Porch	87%	87%	0.0%	1.0
Windows 44 to 46	Kitchen/Lounge	95%	99%	-4.0%	1.04
<u>First Floor</u>					
Window 47	Landing	50%	50%	0.0%	1.0
Window 46 & 47	Staircase	70%	70%	0.0%	1.0
Windows 48 & 49	Bedroom	92%	97%	-5.0%	1.05
<u>2 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 50	Living Room	68%	94%	-26.0%	1.38
<u>Ground Floor</u>					
Windows 51 to 53	Hallway	100%	100%	0.0%	1.0
Window 54	Bedroom	81%	98%	-17.0%	1.21
<u>First Floor</u>					
Windows 55 & 56	Bedroom	96%	99%	-3.0%	1.03
<u>3 Zion Place</u>					
<u>Lower Ground Floor</u>					
Windows 57 & 58	Dining/Kitchen	86%	88%	-2.0%	1.02
Window 59	Bathroom/WC	32%	38%	-6.0%	1.19
<u>Ground Floor</u>					
Window 60	Living Room	89%	98%	-9.0%	1.1
Windows 61 to 63	Hallway	99%	100%	-1.0%	1.01
<u>First Floor</u>					
Windows 64 & 65	Bedroom	98%	99%	-1.0%	1.01

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
<u>7 Zion Place</u>					
<u>Basement Floor</u>					
Window 87	Bedroom	82%	96%	-14.0%	1.17
<u>Ground Floor</u>					
Window 88	Living Room	89%	97%	-8.0%	1.09
<u>First Floor</u>					
Windows 89 & 90	Bedroom	98%	98%	0.0%	1.0
<u>8 Zion Place</u>					
<u>Lower Ground Floor</u>					
Window 91	Bedroom	86%	97%	-11.0%	1.13
<u>Ground Floor</u>					
Window 92	Entrance Hall	52%	85%	-33.0%	1.63
Window 93	Bedroom	94%	98%	-4.0%	1.04
<u>First Floor</u>					
Windows 94 & 95	Bedroom	98%	98%	0.0%	1.0
<u>9 Zion Place</u>					
<u>Lower Groound Floor</u>					
Window 96	Lounge	64%	72%	-8.0%	1.13
<u>Ground Floor</u>					
Windows 97 & 98	Lounge	100%	100%	0.0%	1.0
Windows 99 to 101	Entrance	100%	100%	0.0%	1.0
<u>First Floor</u>					
Windows 102 & 103	Bedroom	98%	98%	0.0%	1.0

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
<u>25 Wrotham Road</u>					
<u>Ground Floor</u>					
Windows 114 to 120	Dining Room	84%	84%	0.0%	1.0
Windows 121 to 124	Entrance	92%	93%	-1.0%	1.01
Windows 125 & 126	Bathroom/WC	43%	43%	0.0%	1.0
<u>First Floor</u>					
Windows 127 to 129	Meeting Room	95%	95%	0.0%	1.0
Windows 130 to 133	Meeting Room	100%	100%	0.0%	1.0
Window 134	Landing	29%	29%	0.0%	1.0
Windows 135 to 139	Meeting Room	100%	100%	0.0%	1.0
<u>24 Wrotham Road</u>					
<u>Ground Floor</u>					
Windows 140 to 142	Living Room	98%	94%	4.0%	0.96
Windows 143 to 146	Hallway	86%	69%	17.0%	0.8
<u>First Floor</u>					
Windows 147 to 149	Living Room	99%	96%	3.0%	0.97
Window 150	Bedroom	97%	97%	0.0%	1.0
<u>Second Floor</u>					
Window 151	Kitchen	87%	87%	0.0%	1.0
Window 152	Bathroom/WC	100%	100%	0.0%	1.0
<u>23 Wrotham Road</u>					
<u>Ground Floor</u>					
Windows 153 to 156	Enrance Hall	94%	71%	23.0%	0.76
Windows 157 to 159	Sitting Room	99%	94%	5.0%	0.95
<u>First Floor</u>					
Windows 160 to 163	Bedroom	100%	100%	0.0%	1.0
<u>Second Floor</u>					

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
Window 164	Domestic	100%	100%	0.0%	1.0
Window 165	Domestic	93%	93%	0.0%	1.0
<u>22 Wrotham Road</u>					
<u>Ground Floor</u>					
Windows 166 to 168	Living Room	99%	95%	4.0%	0.96
Windows 169 & 170	Lobby	95%	86%	9.0%	0.91
<u>First Floor</u>					
Windows 171 to 174	Living Room	99%	99%	0.0%	1.0
<u>Second Floor</u>					
Windows 175 & 176	Bedroom	98%	98%	0.0%	1.0
<u>21 Wrotham Road</u>					
<u>Ground Floor</u>					
Window 177	Entrance	0.0%	0.0%	0.0%	1.0
Windows 178 to 180	Domestic	100%	95%	5.0%	0.95
<u>First Floor</u>					
Windows 181 to 184	Domestic	99%	99%	0.0%	1.0
<u>20 Wrotham Road</u>					
<u>Ground Floor</u>					
Windows 185 to 187	Domestic	100%	99%	1.0%	0.99
Window 188	Entrance	23%	23%	0.0%	1.0
Windows 189 to 192	Domestic	98%	98%	0.0%	1.0
<u>First Floor</u>					
Windows 193 to 195	Domestic	99%	99%	0.0%	1.0
Windows 196 & 197	Hallway	89%	89%	0.0%	1.0

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference		Room Use	Daylight Distribution			
			Before	After	Loss	Ratio
<u>19 Wrotham Road</u>						
<u>Ground Floor</u>						
Windows 198 & 199	Entrance		63%	63%	0.0%	1.0
Windows 200 to 202	Domestic		99%	99%	0.0%	1.0
<u>First Floor</u>						
Windows 203 to 205	Domestic		99%	99%	0.0%	1.0
<u>18 Wrotham Road</u>						
<u>Ground Floor</u>						
Windows 206 to 208	Domestic		99%	99%	0.0%	1.0
Windows 209 & 210	Entrance		92%	92%	0.0%	1.0
<u>First Floor</u>						
Windows 211 to 213	Domestic		97%	97%	0.0%	1.0
<u>Civic Centre</u>						
<u>Basement Floor</u>						
Windows 214 & 215	Non Domestic		69%	69%	0.0%	1.0
<u>Ground Floor</u>						
Windows 216 to 218	Workshop Area		84%	84%	0.0%	1.0
Windows 219 to 221	Mess Room		89%	89%	0.0%	1.0
Window 222	Lobby		100%	100%	0.0%	1.0
Windows 223 & 224	Office		87%	87%	0.0%	1.0
Windows 225 & 226	Non Domestic		97%	97%	0.0%	1.0
Windows 227 & 228	Reprographics		100%	100%	0.0%	1.0
Windows 229 to 231	Office		99%	99%	0.0%	1.0
Windows 232 to 234	Refuse Store		97%	97%	0.0%	1.0
Windows 235 & 236	Office		100%	100%	0.0%	1.0
<u>First Floor</u>						
Window 237	Office		97%	97%	0.0%	1.0
Window 238	Office		95%	95%	0.0%	1.0
Window 239	Bathroom/WC		94%	94%	0.0%	1.0
Window 240	Store		80%	80%	0.0%	1.0

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
Window 241	Office	95%	95%	0.0%	1.0
Windows 242 & 243	Office	98%	98%	0.0%	1.0
Windows 244 to 246	Staff Kitchen/Staff Canteen	94%	94%	0.0%	1.0
Windows 247 & 248	Hallway	100%	100%	0.0%	1.0
Window 249	Office	98%	98%	0.0%	1.0
Windows 250 & 251	Office	100%	100%	0.0%	1.0
Window 252	Bathroom/WC	27%	27%	0.0%	1.0
Windows 253 & 254	Office	100%	100%	0.0%	1.0
<u>Second Floor</u>					
Window 255	Office	97%	97%	0.0%	1.0
Window 256	Office	95%	95%	0.0%	1.0
Window 257	Bathroom/WC	94%	94%	0.0%	1.0
Window 258	Store	80%	80%	0.0%	1.0
Window 259	Office	95%	95%	0.0%	1.0
Windows 260 & 261	Office	99%	99%	0.0%	1.0
Window 262	Non Domestic	100%	100%	0.0%	1.0
Windows 263 & 264	Non Domestic	100%	100%	0.0%	1.0
Window 265	Non Domestic	27%	27%	0.0%	1.0
Windows 266 & 267	Non Domestic	100%	100%	0.0%	1.0
<u>Third Floor</u>					
Window 268	Non Domestic	100%	100%	0.0%	1.0
Windows 269 & 270	Non Domestic	100%	100%	0.0%	1.0
Window 271	Non Domestic	27%	27%	0.0%	1.0
Windows 272 & 273	Non Domestic	100%	100%	0.0%	1.0
<u>Fourth Floor</u>					
Window 274	Non Domestic	100%	100%	0.0%	1.0
Windows 275 & 276	Non Domestic	100%	100%	0.0%	1.0
Window 277	Non Domestic	28%	28%	0.0%	1.0
Windows 278 & 279	Non Domestic	100%	100%	0.0%	1.0

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference		Room Use	Daylight Distribution			
			Before	After	Loss	Ratio
<u>44 and 45 Windmill Street</u>						
<u>Ground Floor</u>						
Windows 280 & 281	Non Domestic	95%	95%	0.0%	1.0	
Windows 282 & 283	Non Domestic	92%	92%	0.0%	1.0	
<u>First Floor</u>						
Windows 284 & 285	Domestic	94%	94%	0.0%	1.0	
Windows 286 & 287	Domestic	99%	99%	0.0%	1.0	
<u>Second Floor</u>						
Windows 288 & 289	Domestic	92%	92%	0.0%	1.0	
Windows 290 & 291	Domestic	98%	98%	0.0%	1.0	
Window 292	Domestic	100%	100%	0.0%	1.0	
<u>46 and 47 Windmill Street</u>						
<u>Ground Floor</u>						
Windows 293 & 294	Entrance	99%	99%	0.0%	1.0	
Windows 295 to 297	Restaurant	91%	92%	-1.0%	1.01	
Windows 298 & 299	Entrance	98%	98%	0.0%	1.0	
<u>First Floor</u>						
Windows 300 & 301	Domestic	98%	98%	0.0%	1.0	
Windows 302 & 303	Domestic	99%	99%	0.0%	1.0	
<u>Second Floor</u>						
Windows 304 & 305	Domestic	98%	98%	0.0%	1.0	
Windows 306 & 307	Domestic	99%	99%	0.0%	1.0	
Window 308	Domestic	100%	100%	0.0%	1.0	
<u>51 to 54 Windmill Street</u>						
<u>Ground Floor</u>						
Windows 328 & 329	Reception	85%	85%	0.0%	1.0	
Window 330	Entrance	21%	21%	0.0%	1.0	
Window 331	Office	96%	96%	0.0%	1.0	

Appendix 2 - Daylight Distribution

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Daylight Distribution			
		Before	After	Loss	Ratio
Windows 332 & 333	Office	97%	97%	0.0%	1.0
Windows 334 & 335	Office	97%	97%	0.0%	1.0
<u>First Floor</u>					
Windows 336 & 337	Office	98%	98%	0.0%	1.0
Windows 338 & 339	Office	98%	98%	0.0%	1.0
Windows 340 & 341	Office	98%	98%	0.0%	1.0
Windows 342 & 343	Office	97%	97%	0.0%	1.0
<u>Second Floor</u>					
Windows 344 & 345	Domestic	98%	98%	0.0%	1.0
Windows 346 & 347	Domestic	98%	98%	0.0%	1.0
Windows 348 & 349	Domestic	98%	98%	0.0%	1.0
Windows 350 & 351	Domestic	98%	98%	0.0%	1.0
<u>Emmanuel Baptist Church</u>					
<u>Ground Floor</u>					
Windows 352 to 355	Sanctuary	58%	58%	0.0%	1.0
Window 356	Non Domestic	29%	29%	0.0%	1.0
Windows 357 & 358	Foyer	58%	58%	0.0%	1.0
Window 358	Staircase	54%	47%	7.0%	0.87
Window 359	Non Domestic	35%	35%	0.0%	1.0
Windows 360 to 362	Non Domestic	86%	86%	0.0%	1.0
Window 363	Ministers Office	88%	88%	0.0%	1.0
<u>First Floor</u>					
Windows 364 to 371	Non Domestic	100%	100%	0.0%	1.0
Windows 372 & 373	Secretarys Office	97%	97%	0.0%	1.0
<u>Second Floor</u>					
Windows 374 & 375	Non Domestic	96%	96%	0.0%	1.0
<u>Third Floor</u>					
Window 376	Non Domestic	72%	72%	0.0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
<u>1 to 34 Cygnet House</u>									
<u>Ground Floor</u>									
Window 1	Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 2	Domestic	1%	1%	0%	1.0	1%	1%	0%	1.0
Window 3	Domestic	2%	2%	0%	1.0	1%	1%	0%	1.0
<u>First Floor</u>									
Window 7	Domestic	49%	49%	0%	1.0	14%	14%	0%	1.0
Window 8	Domestic	49%	49%	0%	1.0	14%	14%	0%	1.0
Window 9	Domestic	49%	49%	0%	1.0	16%	16%	0%	1.0
Window 10	Domestic	50%	50%	0%	1.0	16%	16%	0%	1.0
<u>Second Floor</u>									
Window 14	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 15	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 16	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 17	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
<u>Third Floor</u>									
Window 21	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 22	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 23	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 24	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
<u>Fourth Floor</u>									
Window 28	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 29	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 30	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 31	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
<u>Fifth Floor</u>									
Window 35	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 36	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 37	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 38	Domestic	51%	51%	0%	1.0	16%	16%	0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
<u>1 Zion Place</u>									
<u>Lower Ground Floor</u>									
Window 40	Kitchen/Bedsit	45%	45%	0%	1.0	17%	17%	0%	1.0
<u>Ground Floor</u>									
Window 45	Kitchen/Lounge	69%	69%	0%	1.0	24%	24%	0%	1.0
Window 46	Kitchen/Lounge	66%	66%	0%	1.0	24%	24%	0%	1.0
<u>First Floor</u>									
Window 47	Landing	29%	29%	0%	1.0	10%	10%	0%	1.0
<u>2 Zion Place</u>									
<u>Ground Floor</u>									
Window 53	Hallway	70%	70%	0%	1.0	24%	24%	0%	1.0
<u>3 Zion Place</u>									
<u>Lower Ground Floor</u>									
Window 58	Dining/Kitchen	53%	53%	0%	1.0	19%	19%	0%	1.0
<u>Ground Floor</u>									
Window 63	Hallway	75%	75%	0%	1.0	27%	27%	0%	1.0
<u>5 Zion Place</u>									
<u>Lower Ground Floor</u>									
Window 75	Domestic	6%	6%	0%	1.0	0%	0%	0%	1.0
<u>9 Zion Place</u>									
<u>Ground Floor</u>									
Window 98	Lounge	58%	58%	0%	1.0	21%	21%	0%	1.0
Window 101	Entrance	50%	50%	0%	1.0	17%	17%	0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
<u>25 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 114	Dining Room	49%	49%	0%	1.0	11%	11%	0%	1.0
Window 115	Dining Room	51%	51%	0%	1.0	12%	12%	0%	1.0
Window 116	Dining Room	52%	52%	0%	1.0	13%	13%	0%	1.0
Window 117	Dining Room	53%	53%	0%	1.0	14%	14%	0%	1.0
Window 118	Dining Room	53%	53%	0%	1.0	14%	14%	0%	1.0
Window 119	Dining Room	53%	54%	-1%	1.02	15%	15%	0%	1.0
Window 120	Dining Room	52%	54%	-2%	1.04	15%	15%	0%	1.0
Window 121	Entrance	6%	9%	-3%	1.5	0%	0%	0%	1.0
Window 122	Entrance	6%	10%	-4%	1.67	2%	2%	0%	1.0
Window 123	Entrance	8%	8%	0%	1.0	4%	4%	0%	1.0
Window 124	Entrance	1%	0%	1%	0.0	0%	0%	0%	1.0
<u>First Floor</u>									
Window 127	Meeting Room	52%	52%	0%	1.0	13%	13%	0%	1.0
Window 128	Meeting Room	52%	52%	0%	1.0	13%	13%	0%	1.0
Window 129	Meeting Room	53%	53%	0%	1.0	14%	14%	0%	1.0
Window 130	Meeting Room	53%	53%	0%	1.0	14%	14%	0%	1.0
Window 131	Meeting Room	54%	54%	0%	1.0	15%	15%	0%	1.0
Window 132	Meeting Room	54%	55%	-1%	1.02	16%	16%	0%	1.0
Window 133	Meeting Room	54%	55%	-1%	1.02	16%	16%	0%	1.0
Window 134	Landing	47%	50%	-3%	1.06	14%	14%	0%	1.0
Window 135	Meeting Room	47%	50%	-3%	1.06	14%	14%	0%	1.0
Window 136	Meeting Room	47%	50%	-3%	1.06	14%	14%	0%	1.0
Window 137	Meeting Room	47%	50%	-3%	1.06	14%	14%	0%	1.0
<u>24 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 140	Living Room	42%	42%	0%	1.0	6%	7%	-1%	1.17
Window 141	Living Room	39%	38%	1%	0.97	8%	9%	-1%	1.13
Window 143	Hallway	14%	9%	5%	0.64	0%	0%	0%	1.0
Window 144	Hallway	13%	11%	2%	0.85	0%	2%	-2%	∞
Window 145	Hallway	5%	2%	3%	0.4	0%	2%	-2%	∞
Window 146	Hallway	0%	0%	0%	1.0	0%	0%	0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
<u>First Floor</u>									
Window 147	Living Room	51%	49%	2%	0.96	12%	13%	-1%	1.08
Window 148	Living Room	44%	43%	1%	0.98	11%	12%	-1%	1.09
Window 150	Bedroom	41%	38%	3%	0.93	8%	10%	-2%	1.25
<u>Second Floor</u>									
Window 151	Kitchen	78%	80%	-2%	1.03	21%	21%	0%	1.0
Window 152	Bathroom/WC	74%	76%	-2%	1.03	18%	20%	-2%	1.11
<u>23 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 153	Enrance Hall	13%	7%	6%	0.54	0%	0%	0%	1.0
Window 154	Enrance Hall	13%	11%	2%	0.85	0%	0%	0%	1.0
Window 155	Enrance Hall	7%	1%	6%	0.14	0%	0%	0%	1.0
Window 156	Enrance Hall	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 157	Sitting Room	46%	41%	5%	0.89	11%	11%	0%	1.0
Window 158	Sitting Room	46%	40%	6%	0.87	12%	12%	0%	1.0
<u>First Floor</u>									
Window 160	Bedroom	46%	42%	4%	0.91	11%	12%	-1%	1.09
Window 161	Bedroom	54%	48%	6%	0.89	14%	14%	0%	1.0
Window 162	Bedroom	47%	41%	6%	0.87	12%	12%	0%	1.0
<u>Second Floor</u>									
Window 164	Domestic	69%	71%	-2%	1.03	17%	19%	-2%	1.12
Window 165	Domestic	48%	47%	1%	0.98	12%	12%	0%	1.0
<u>22 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 166	Living Room	43%	37%	6%	0.86	10%	11%	-1%	1.1
Window 167	Living Room	45%	41%	4%	0.91	11%	12%	-1%	1.09
Window 169	Lobby	18%	14%	4%	0.78	0%	0%	0%	1.0
Window 170	Lobby	0%	0%	0%	1.0	0%	0%	0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
<u>First Floor</u>									
Window 171	Living Room	50%	44%	6%	0.88	11%	11%	0%	1.0
Window 172	Living Room	47%	43%	4%	0.91	12%	12%	0%	1.0
Window 174	Living Room	39%	38%	1%	0.97	6%	7%	-1%	1.17
<u>Second Floor</u>									
Window 175	Bedroom	47%	46%	1%	0.98	12%	12%	0%	1.0
<u>21 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 177	Entrance	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 178	Domestic	46%	42%	4%	0.91	10%	10%	0%	1.0
Window 179	Domestic	44%	42%	2%	0.95	9%	10%	-1%	1.11
<u>First Floor</u>									
Window 181	Domestic	43%	42%	1%	0.98	9%	10%	-1%	1.11
Window 182	Domestic	52%	52%	0%	1.0	11%	13%	-2%	1.18
Window 183	Domestic	46%	45%	1%	0.98	11%	12%	-1%	1.09
<u>20 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 185	Domestic	45%	41%	4%	0.91	11%	9%	2%	0.82
Window 186	Domestic	46%	44%	2%	0.96	11%	10%	1%	0.91
Window 188	Entrance	2%	1%	1%	0.5	1%	0%	1%	0.0
Window 189	Domestic	20%	18%	2%	0.9	1%	0%	1%	0.0
Window 190	Domestic	20%	18%	2%	0.9	2%	0%	2%	0.0
Window 191	Domestic	24%	22%	2%	0.92	4%	2%	2%	0.5
Window 192	Domestic	0%	0%	0%	1.0	0%	0%	0%	1.0
<u>First Floor</u>									
Window 193	Domestic	51%	50%	1%	0.98	12%	12%	0%	1.0
Window 194	Domestic	47%	45%	2%	0.96	12%	11%	1%	0.92
Window 196	Hallway	42%	41%	1%	0.98	9%	8%	1%	0.89
Window 197	Hallway	12%	12%	0%	1.0	0%	0%	0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
<u>19 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 198	Entrance	11%	11%	0%	1.0	0%	0%	0%	1.0
Window 199	Entrance	0%	0%	0%	1.0	0%	0%	0%	1.0
Window 200	Domestic	50%	47%	3%	0.94	12%	9%	3%	0.75
Window 201	Domestic	48%	46%	2%	0.96	13%	11%	2%	0.85
<u>First Floor</u>									
Window 203	Domestic	58%	58%	0%	1.0	17%	17%	0%	1.0
Window 204	Domestic	49%	48%	1%	0.98	14%	13%	1%	0.93
<u>18 Wrotham Road</u>									
<u>Ground Floor</u>									
Window 206	Domestic	46%	45%	1%	0.98	12%	11%	1%	0.92
Window 207	Domestic	47%	46%	1%	0.98	12%	11%	1%	0.92
Window 209	Entrance	17%	16%	1%	0.94	2%	1%	1%	0.5
Window 210	Entrance	1%	0%	1%	0.0	1%	0%	1%	0.0
<u>First Floor</u>									
Window 211	Domestic	54%	53%	1%	0.98	14%	13%	1%	0.93
Window 212	Domestic	48%	47%	1%	0.98	14%	13%	1%	0.93
<u>Civic Centre</u>									
<u>Basement Floor</u>									
Window 214	Non Domestic	66%	60%	6%	0.91	20%	14%	6%	0.7
Window 215	Non Domestic	42%	42%	0%	1.0	12%	12%	0%	1.0
<u>Ground Floor</u>									
Window 216	Workshop Area	87%	85%	2%	0.98	28%	26%	2%	0.93
Window 217	Workshop Area	85%	85%	0%	1.0	24%	24%	0%	1.0
Window 218	Workshop Area	91%	90%	1%	0.99	27%	26%	1%	0.96
Window 219	Mess Room	84%	80%	4%	0.95	25%	21%	4%	0.84
Window 220	Mess Room	90%	87%	3%	0.97	26%	23%	3%	0.88

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 221	Mess Room	88%	85%	3%	0.97	24%	21%	3%	0.88
Window 222	Lobby	86%	85%	1%	0.99	25%	24%	1%	0.96
Window 223	Office	79%	74%	5%	0.94	23%	18%	5%	0.78
Window 224	Office	31%	28%	3%	0.9	11%	8%	3%	0.73
Window 225	Non Domestic	25%	22%	3%	0.88	14%	11%	3%	0.79
Window 226	Non Domestic	22%	22%	0%	1.0	12%	12%	0%	1.0
Window 227	Reprographics	83%	76%	7%	0.92	25%	18%	7%	0.72
Window 228	Reprographics	29%	25%	4%	0.86	12%	8%	4%	0.67
Window 231	Office	80%	73%	7%	0.91	25%	18%	7%	0.72
Window 232	Refuse Store	89%	84%	5%	0.94	26%	21%	5%	0.81
Window 233	Refuse Store	91%	86%	5%	0.95	24%	19%	5%	0.79
Window 234	Refuse Store	91%	85%	6%	0.93	26%	20%	6%	0.77
Window 235	Office	81%	76%	5%	0.94	23%	18%	5%	0.78
Window 236	Office	46%	46%	0%	1.0	12%	12%	0%	1.0

First Floor

Window 237	Office	86%	85%	1%	0.99	29%	28%	1%	0.97
Window 238	Office	86%	85%	1%	0.99	29%	28%	1%	0.97
Window 239	Bathroom/WC	86%	85%	1%	0.99	29%	28%	1%	0.97
Window 240	Store	86%	86%	0%	1.0	29%	29%	0%	1.0
Window 241	Office	86%	86%	0%	1.0	29%	29%	0%	1.0
Window 242	Office	88%	87%	1%	0.99	30%	29%	1%	0.97
Window 243	Office	33%	31%	2%	0.94	13%	11%	2%	0.85
Window 245	Staff Kitchen/Staff Canteen	88%	83%	5%	0.94	30%	25%	5%	0.83
Window 246	Staff Kitchen/Staff Canteen	30%	28%	2%	0.93	13%	11%	2%	0.85
Window 248	Hallway	36%	33%	3%	0.92	13%	10%	3%	0.77
Window 251	Office	86%	80%	6%	0.93	29%	23%	6%	0.79
Window 252	Bathroom/WC	85%	81%	4%	0.95	28%	24%	4%	0.86
Window 253	Office	86%	82%	4%	0.95	27%	23%	4%	0.85
Window 254	Office	49%	49%	0%	1.0	13%	13%	0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
<u>Second Floor</u>									
Window 255	Office	88%	87%	1%	0.99	30%	29%	1%	0.97
Window 256	Office	88%	87%	1%	0.99	30%	29%	1%	0.97
Window 257	Bathroom/WC	88%	87%	1%	0.99	30%	29%	1%	0.97
Window 258	Store	88%	87%	1%	0.99	30%	29%	1%	0.97
Window 259	Office	88%	88%	0%	1.0	30%	30%	0%	1.0
Window 260	Office	88%	88%	0%	1.0	30%	30%	0%	1.0
Window 261	Office	47%	47%	0%	1.0	15%	15%	0%	1.0
Window 264	Non Domestic	88%	86%	2%	0.98	30%	28%	2%	0.93
Window 265	Non Domestic	88%	87%	1%	0.99	30%	29%	1%	0.97
Window 266	Non Domestic	89%	87%	2%	0.98	30%	28%	2%	0.93
Window 267	Non Domestic	52%	52%	0%	1.0	15%	15%	0%	1.0
<u>Third Floor</u>									
Window 270	Non Domestic	88%	88%	0%	1.0	30%	30%	0%	1.0
Window 271	Non Domestic	88%	88%	0%	1.0	30%	30%	0%	1.0
Window 272	Non Domestic	89%	89%	0%	1.0	30%	30%	0%	1.0
Window 273	Non Domestic	52%	52%	0%	1.0	15%	15%	0%	1.0
<u>Fourth Floor</u>									
Window 276	Non Domestic	88%	88%	0%	1.0	30%	30%	0%	1.0
Window 277	Non Domestic	88%	88%	0%	1.0	30%	30%	0%	1.0
Window 278	Non Domestic	89%	89%	0%	1.0	30%	30%	0%	1.0
Window 279	Non Domestic	52%	52%	0%	1.0	15%	15%	0%	1.0
<u>44 and 45 Windmill Street</u>									
<u>First Floor</u>									
Window 292	Staircase	97%	97%	0%	1.0	29%	29%	0%	1.0
<u>Second Floor</u>									
<u>46 and 47 Windmill Street</u>									
<u>Ground Floor</u>									
Window 293	Entrance	37%	34%	3%	0.92	9%	7%	2%	0.78
Window 294	Entrance	37%	35%	2%	0.95	10%	8%	2%	0.8
Window 295	Restaurant	44%	42%	2%	0.95	12%	11%	1%	0.92

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 296	Restaurant	44%	41%	3%	0.93	12%	10%	2%	0.83
Window 298	Entrance	38%	35%	3%	0.92	9%	7%	2%	0.78
Window 299	Entrance	38%	34%	4%	0.89	10%	7%	3%	0.7
<u>First Floor</u>									
Window 300	Domestic	47%	44%	3%	0.94	14%	11%	3%	0.79
Window 301	Domestic	48%	45%	3%	0.94	14%	11%	3%	0.79
Window 302	Domestic	48%	45%	3%	0.94	14%	11%	3%	0.79
Window 303	Domestic	48%	45%	3%	0.94	14%	11%	3%	0.79
<u>Second Floor</u>									
Window 304	Domestic	47%	46%	1%	0.98	14%	13%	1%	0.93
Window 305	Domestic	48%	47%	1%	0.98	14%	13%	1%	0.93
Window 306	Domestic	47%	46%	1%	0.98	14%	13%	1%	0.93
Window 307	Domestic	47%	46%	1%	0.98	14%	13%	1%	0.93
<u>48 to 50 Windmill Street</u>									
<u>Ground Floor</u>									
Window 315	Domestic	48%	42%	6%	0.88	13%	12%	1%	0.92
Window 316 (BW)	Domestic	58%	56%	2%	0.97	8%	7%	1%	0.88
<u>First Floor</u>									
Window 321	Domestic	48%	44%	4%	0.92	13%	12%	1%	0.92
Window 322 (BW)	Domestic	66%	65%	1%	0.98	9%	8%	1%	0.89
<u>Second Floor</u>									
Window 327	Domestic	98%	96%	2%	0.98	30%	28%	2%	0.93
<u>51 to 54 Windmill Street</u>									
<u>Ground Floor</u>									
Window 328	Reception	46%	40%	6%	0.87	12%	11%	1%	0.92
Window 329	Reception	46%	40%	6%	0.87	12%	11%	1%	0.92
Window 330	Entrance	29%	24%	5%	0.83	6%	6%	0%	1.0
Window 331	Office	45%	39%	6%	0.87	11%	10%	1%	0.91

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 332	Office	44%	35%	9%	0.8	12%	10%	2%	0.83
Window 333	Office	42%	33%	9%	0.79	10%	8%	2%	0.8
Window 334	Office	39%	36%	3%	0.92	10%	10%	0%	1.0
Window 335	Office	39%	36%	3%	0.92	9%	9%	0%	1.0
<u>First Floor</u>									
Window 336	Office	46%	41%	5%	0.89	12%	11%	1%	0.92
Window 337	Office	45%	41%	4%	0.91	12%	11%	1%	0.92
Window 338	Office	45%	41%	4%	0.91	11%	11%	0%	1.0
Window 339	Office	47%	41%	6%	0.87	13%	11%	2%	0.85
Window 340	Office	48%	42%	6%	0.88	13%	11%	2%	0.85
Window 341	Office	48%	42%	6%	0.88	13%	11%	2%	0.85
Window 342	Office	44%	41%	3%	0.93	11%	10%	1%	0.91
Window 343	Office	43%	42%	1%	0.98	11%	11%	0%	1.0
<u>Second Floor</u>									
Window 344	Domestic	40%	38%	2%	0.95	11%	11%	0%	1.0
Window 345	Domestic	40%	38%	2%	0.95	11%	11%	0%	1.0
Window 346	Domestic	40%	39%	1%	0.98	11%	12%	-1%	1.09
Window 347	Domestic	42%	39%	3%	0.93	13%	12%	1%	0.92
Window 348	Domestic	45%	42%	3%	0.93	14%	13%	1%	0.93
Window 349	Domestic	44%	41%	3%	0.93	13%	12%	1%	0.92
Window 350	Domestic	41%	40%	1%	0.98	12%	11%	1%	0.92
Window 351	Domestic	41%	41%	0%	1.0	12%	12%	0%	1.0
<u>Emmanuel Baptist Church</u>									
<u>Ground Floor</u>									
Window 355	Sanctuary	4%	4%	0%	1.0	0%	0%	0%	1.0
Window 357	Foyer	36%	35%	1%	0.97	7%	7%	0%	1.0
Window 358	Foyer	30%	30%	0%	1.0	5%	5%	0%	1.0
Window 359	Non Domestic	8%	8%	0%	1.0	0%	0%	0%	1.0
Window 360	Non Domestic	26%	27%	-1%	1.04	3%	3%	0%	1.0
Window 361	Non Domestic	16%	17%	-1%	1.06	0%	0%	0%	1.0
Window 362	Non Domestic	8%	8%	0%	1.0	0%	0%	0%	1.0

Appendix 2 - Sunlight to Windows

Former Police Station, Windmill Street, Gravesend, Kent DA12 1

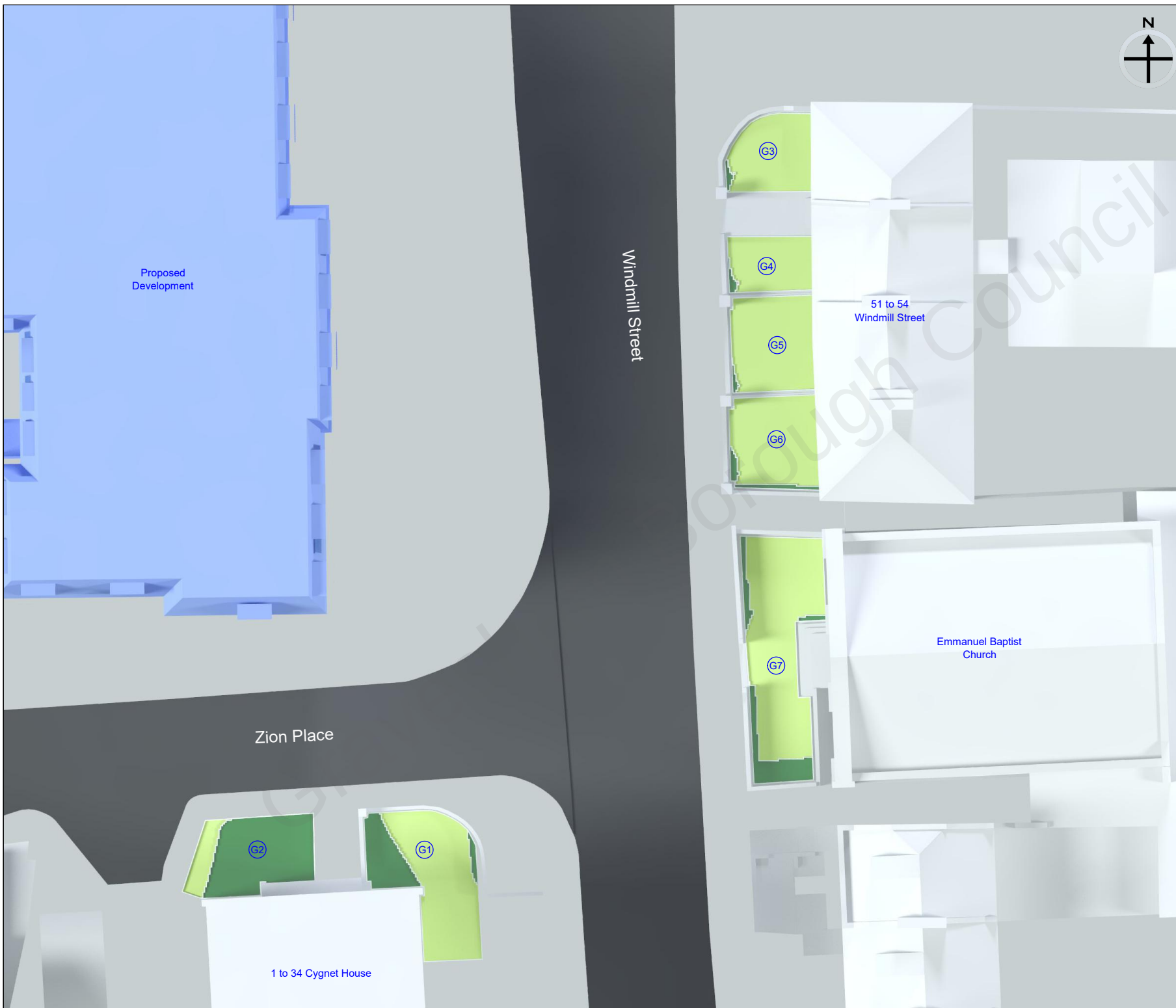
Reference	Room Use	Sunlight to Windows							
		Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
Window 363	Ministers Office	37%	37%	0%	1.0	8%	8%	0%	1.0
<u>First Floor</u>									
Window 367	Non Domestic	36%	36%	0%	1.0	8%	8%	0%	1.0
Window 368	Non Domestic	39%	38%	1%	0.97	9%	9%	0%	1.0
Window 369	Non Domestic	34%	34%	0%	1.0	6%	6%	0%	1.0
Window 370	Non Domestic	25%	25%	0%	1.0	1%	1%	0%	1.0
Window 371	Non Domestic	34%	34%	0%	1.0	4%	4%	0%	1.0
Window 372	Secretarys Office	39%	39%	0%	1.0	9%	9%	0%	1.0
Window 373	Secretarys Office	39%	39%	0%	1.0	9%	9%	0%	1.0
<u>Second Floor</u>									
Window 374	Non Domestic	43%	44%	-1%	1.02	10%	10%	0%	1.0
Window 375	Non Domestic	43%	44%	-1%	1.02	10%	10%	0%	1.0
<u>Third Floor</u>									
Window 376	Non Domestic	46%	46%	0%	1.0	11%	11%	0%	1.0

Appendix 2 - Overshadowing to Gardens and Open Spaces
Former Police Station, Windmill Street, Gravesend, Kent DA12 1

Reference	Total Area		Area receiving at least two hours of sunlight on 21st March									
			Before		After		Loss		Ratio			
<u>1 to 34 Cygnet House</u>												
<u>Ground Floor</u>												
Garden 1	37.68	m2	28.96	m2	77%	28.96	m2	77%	0.0	m2	0%	1.0
Garden 2	29.12	m2	4.72	m2	16%	4.72	m2	16%	0.0	m2	0%	1.0
<u>51 to 54 Windmill Street</u>												
<u>Ground Floor</u>												
Garden 3	18.74	m2	18.32	m2	98%	18.31	m2	98%	0.01	m2	0%	1.0
Garden 4	14.41	m2	13.95	m2	97%	13.93	m2	97%	0.02	m2	0%	1.0
Garden 5	24.23	m2	23.9	m2	99%	23.9	m2	99%	0.0	m2	0%	1.0
Garden 6	25.1	m2	23.42	m2	93%	23.42	m2	93%	0.0	m2	0%	1.0
<u>Emmanuel Baptist Church</u>												
<u>Ground Floor</u>												
Garden 7	48.65	m2	40.97	m2	84%	40.97	m2	84%	0.0	m2	0%	1.0

APPENDIX 3

OVERSHADOWING TO GARDENS AND OPEN SPACES



Key

- Receives under two hours sunlight on 21st March before and after the development.
- Receives under two hours sunlight on 21st March before the development; but will receive at least two hours sunlight on 21st March after the development (light improved).
- Receives at least two hours sunlight on 21st March before the development; but will receive under two hours sunlight after the development (light loss).
- Receives at least two hours sunlight on 21st March before and after the development.
- Neighbouring Gardens and Amenity Areas

Drawing Title: Appendix 3 - Overshadowing to Gardens and Open Spaces



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