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Daylight and Sunlight

Cambridge Road

Estate

Prepared by: Conor Tierney

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Dear Ms Bhundia,

Re: Phase 01 Cambridge Road Estate redevelopment – Daylight and Sunlight review of impacts to existing properties within the Cambridge Road Estate.

Introduction

GIA have been instructed to carry out an additional assessment to understand the potential daylight and sunlight impact of Phase 01 in isolation on the closest existing residential receptors of the Cambridge Road Estate. The assessment has been based on the Patel Taylor Architects model received 7th September 2020 for the Phase 01 detailed scheme.

This letter report is a separate document to the ES Chapter 9 on Daylight, Sunlight and Overshadowing and also the Standalone Addendum Report on Daylight, Sunlight and Overshadowing which have been submitted as part of the wider planning application on the impact to neighbouring properties outside of the site boundary.

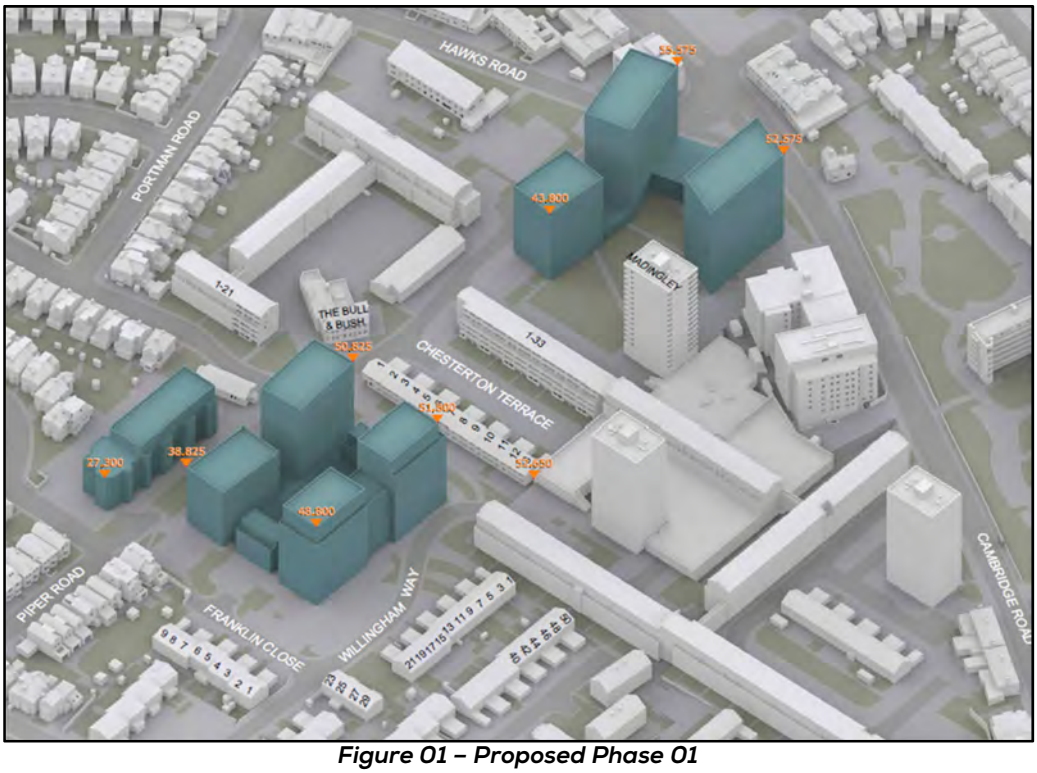


Figure 01 – Proposed Phase 01

Daylight and sunlight

The technical analysis that forms the basis of this letter report has been predicated against the methodologies set out within the Building Research Establishment Guidelines entitled *'Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice (2011)'*. The BRE Guidelines note that the document is intended to be used in conjunction with the interior daylight recommendations found within the British Standard BS8206-2:2008 and The Applications Manual on Window Design of the Chartered Institution of Building Services Engineers (CIBSE).

The BRE Guidelines provides three methodologies for daylight assessment of neighbouring properties, namely;

- The Vertical Sky Component (VSC);
- The No Sky Line (NSL); and
- The Average Daylight Factor (ADF).

For daylight to be compliant (in accordance with figure 20 of the Guide), both the VSC and NSL tests have to be met.

The BRE Guidelines suggest that the ADF assessment should only be used to "check that adequate daylight is provided in new rooms", rather than existing buildings. As our assessments are on existing buildings, we therefore have not considered the ADF within this letter report.

There is one methodology provided by the BRE Guidelines for sunlight assessment, denoted as Annual Probable Sunlight Hours (APSH).

It is an inevitable consequence of the built-up urban environment that daylight and sunlight will be more limited in dense urban areas. It is well acknowledged that in such situations there may be many planning and urban design matters to consider other than daylight and sunlight.

The BRE Guidelines provide alternative assessments to better understand the impact on a neighbouring property in such situations. Due to the relative low rise nature of the existing site, coupled with the close proximity of the neighbouring properties within the site boundary, any meaningful massing in line with the demands and aspirations for an increase in housing density to satisfy the housing requirements for Kingston, should be considered against a wider contextual narrative.

Daylight and sunlight is only one element of the wider planning application and should be weighed against all aspects of amenity which is being introduced from the area regeneration.

This report serves to demonstrate the potential impact of Phase 01 in isolation against the closest residential properties that sit within the Cambridge Road Estate. This assessment is for a potential hypothetical situation, should the wider masterplan not come forward. It is important to note, however, that any impact that is experienced to the neighbouring properties will not be in perpetuity as these properties will form part of the wider phases of the masterplan. To demonstrate this potential impact of Phase 01 in isolation which is assessed in this report, GIA have considered the following criteria to determine whether the impact to the neighbouring properties are Negligible, Minor Adverse, Moderate Adverse or Major Adverse.

If the property assessed meets the BRE criteria for assessment against all methodologies for daylight and sunlight, the property has been considered negligible.

If the property experiences alterations in daylight and sunlight yet meets the criteria outlined below, GIA considered the impact to this property to be minor.

Where the loss of skylight or sunlight do not meet the guidelines in the BRE Guidelines, or the criteria outlined below, the impact is assessed as Moderate or Major Adverse.

To establish whether the change in daylight to a residence and/ or sensitive user constitutes a material nuisance, which could be negligible, minor, moderate or major we have considered the following:

- Retained VSC levels are equal to or greater than 15% (where windows are not self-obstructed in the baseline condition);
- All VSC and NSL alterations applicable to the room are no greater than 30% of their baseline values or, if not, the room's main window/s retain at least 15% VSC or at least half of the room area can still benefit from direct skylight at working plane height (NSL).

Properties considered for assessment

There are 47 buildings with site facing windows and rooms located in close proximity to the Phase 01 sites that have been considered for assessment (see figure 01). These properties are:

- 1-21 Connington, Somerset Road
- The Bull & Bush Public House
- 1-13 Chesterton Terrace
- 1-33 Westwick, Chesterton Terrace
- 1-9 Franklin Close
- 1-29 (odds) Willingham Way
- Madingley
- 40-50 (evens) Cambridge Grove Road.

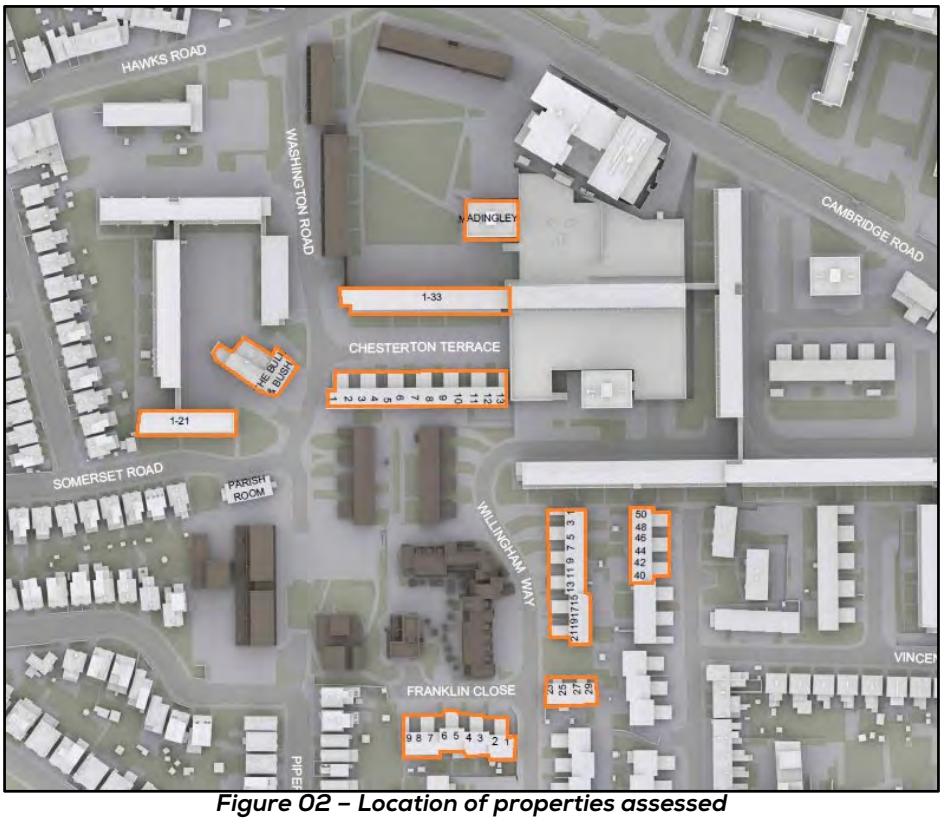


Figure 02 – Location of properties assessed

Discussion of results

A three-dimensional computer model of the Site and surrounding properties was produced to carry out the relevant technical studies. All relevant assumptions made in producing this model can be found in Appendix 01.

This assessment is for a potential hypothetical situation, should the wider masterplan not come forward. It is important to note, however, that any impact that is experienced to the neighbouring properties will not be in perpetuity as these properties form part of the wider phases of the masterplan.

Of the 47 properties assessed against the proposed Phase 01 scheme, 21 properties will meet the BRE criteria for daylight and sunlight therefore are considered to experience a negligible effect, these properties are:

- 1-9 Franklin Close;
- 17 & 21-29 Willingham Way (odds)
- 40-50 Cambridge Grove Road

Based on the criteria outlined above, the following 20 properties will all experience a minor adverse impact. In each case, where impacted windows/rooms are beyond a 30% alteration, all windows will retain in excess of 15% VSC or at least half of the room area can still benefit from direct skylight at working plane height (NSL).

- 1-21 Connington, Somerset Road
- The Bull & Bush Public House
- 1-13 Chesterton Terrace
- 1-33 Westwick, Chesterton Terrace
- 9, 13 & 19 Willingham Way
- Madingley

However, there are 2 windows in 1-21 Connington and 35 windows 1-33 Westwick with VSC percentage alterations above 40% that do not adhere to the criteria above for retained levels. In each case, however, these windows have very low existing levels of VSC (below 10%) and the absolute VSC loss in each case is below 5% which is unlikely to be noticeable. In each of these buildings the majority of windows will meet the BRE criteria for VSC and all rooms will meet the NSL criteria.

There are 15 windows in Madingley which also experience VSC percentage alterations above 40%, however, these windows are a bank of four windows serving one room. Where there are more than one window serving a room, the median value can be taken to understand the daylight availability of the room. In each case, all the rooms served by these impacted windows will retain in excess of 15% VSC. Similarly, with Connington and Westwick, the majority of windows will meet the BRE criteria for VSC and all rooms will meet the NSL criteria.

These three properties are therefore also considered to experience a minor adverse effect.

The remaining 6 Properties are considered to experience a Moderate Adverse effect (significant):

- 1 Willingham Way
- 3 Willingham Way
- 5 Willingham Way
- 7 Willingham Way
- 11 Willingham Way
- 15 Willingham Way

These properties are discussed in more detail below. The location of the properties can be seen in fig 03 below.

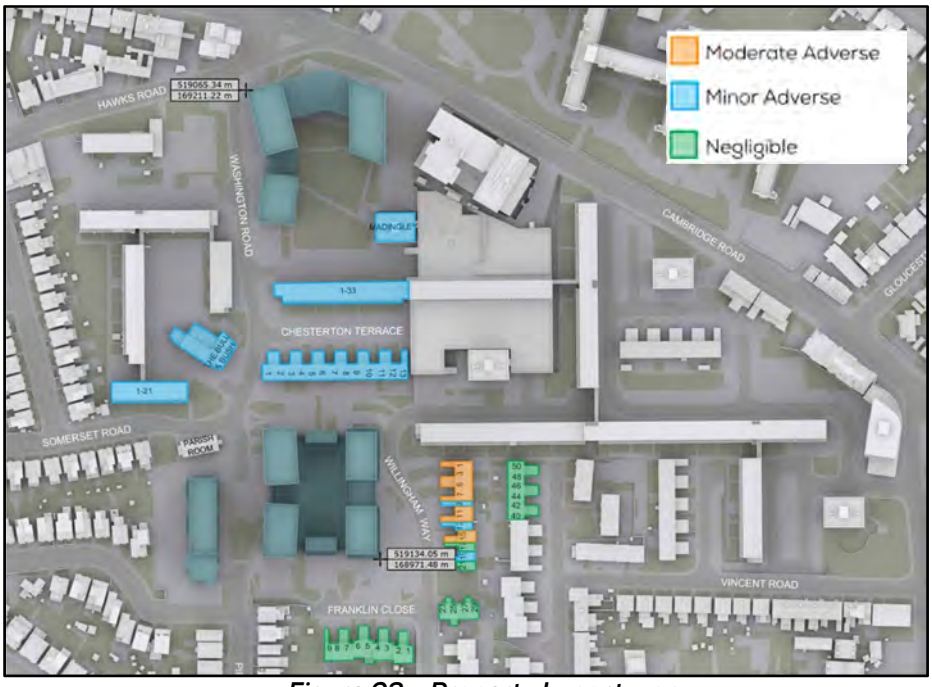


Figure 03 – Property Impact map

For each of these Willingham Way houses, GIA have assessed two site facing rooms in the properties and understand these rooms to serve a kitchen on the ground floor and bedroom on the first floor. There is another site facing room, however, this is understood to serve a bathroom and is therefore not relevant for assessment. The main living spaces and two further bedrooms face away from the site and will therefore not be impacted by the Phase 01 scheme.

1 Willingham Way

Against the proposed scheme, neither room will meet the BRE criteria for daylight (VSC and NSL). For the VSC, the two windows will experience losses of 38.2% and 36.5% against a 20% BRE target, which is considered a moderate adverse effect. However, the windows will retain 18.1% and 21.4% which is considered acceptable for an area of planned increased density and regeneration.

For the NSL, the two rooms will experience losses of 56% and 43.1% against a 20% BRE target, which is considered a major adverse effect. When considered the retained NSL, the bedroom will retain 56% sky visibility which is considered acceptable for an area of planning increased density. The kitchen will retain 42.8% which could be considered noticeable.

In relation to sunlight, all rooms will meet the BRE criteria for sunlight APSH targets.

3 Willingham Way

Against the proposed scheme, neither room will meet the BRE criteria for daylight (VSC and NSL). For the VSC, the two windows will experience losses of 38.4% and 35.8% against a 20% BRE target, which is considered a moderate adverse effect. When considering the retain VSC, the windows will retain 17% and 22.2% which is considered acceptable for an area of planned increased density and regeneration.

For the NSL, the two rooms will experience losses of 45.7% and 48.2% against a 20% BRE target, which is considered a major adverse effect. When considered the retained NSL, both rooms will retain in excess of 50% sky visibility which is considered acceptable for an area of planning increased density.

In relation to sunlight, the first-floor bedroom will meet the BRE criteria for sunlight APSH targets. The ground floor kitchen, however, will drop from receiving 30% APSH in the existing to 17% in the proposed which is likely to be noticeable. There will be no change in the winter PSH to this room as it does not receive any winter sunlight in the existing due to the location of the garage of the building which limits access to sunlight from the south.

5 Willingham Way

Against the proposed scheme, neither room will meet the BRE criteria for daylight (VSC and NSL). For the VSC, the two windows will experience losses of 34.9% and 34.7% against a 20% BRE target, which is considered a moderate adverse effect. When considering the retain VSC, the windows will retain 17.9% and 23.1% which is considered acceptable for an area of planned increased density and regeneration.

For the NSL, the two rooms will experience losses of 55.3% and 49.1% against a 20% BRE target, which is considered a major adverse effect. When considered the retained NSL, the bedroom will retain 50.1% sky visibility which is considered acceptable for an area of planning increased density. The kitchen will retain 43.5% which could be considered noticeable.

In relation to sunlight, all rooms will meet the BRE criteria for sunlight APSH targets.

7 Willingham Way

Against the proposed scheme, neither room will meet the BRE criteria for daylight (VSC and NSL). For the VSC, the two windows will experience losses of 38.2% and 34.2% against a 20% BRE target, which is considered a moderate adverse effect. When considering the retain VSC, the windows will retain 17.3% and 23.3% which is considered acceptable for an area of planned increased density and regeneration.

For the NSL, the two rooms will experience losses of 54.5% and 49.3% against a 20% BRE target, which is considered a major adverse effect. When considered the retained NSL, the bedroom will retain just shy of 50% at 49.9% sky visibility. The kitchen will retain 44.2% which could be considered noticeable.

In relation to sunlight, the first-floor bedroom will meet the BRE criteria for sunlight APSH targets. The ground floor kitchen, however, will drop from receiving 28% APSH in the existing to 17% in the proposed which is likely to be noticeable. There will be no change in the winter PSH to this room as it does not receive any winter sunlight in the existing due to the location of the garage of the building which limits access to sunlight from the south.

11 Willingham Way

Against the proposed scheme, neither room will meet the BRE criteria for daylight (VSC and NSL). For the VSC, the two windows will experience losses of 36.8% and 31.3% against a 20% BRE target, which is considered a moderate adverse effect. When considering the retain VSC, the windows will retain 17.7% and 24.2% which is considered acceptable for an area of planned increased density and regeneration.

For the NSL, the two rooms will experience losses of 56.8% and 45.7% against a 20% BRE target, which is considered a major adverse effect. When considered the retained NSL, the bedroom will retain 53.4% sky visibility which is considered acceptable for an area of planning increased density. The kitchen will retain 41.6% which could be considered noticeable.

In relation to sunlight, the first-floor bedroom will meet the BRE criteria for sunlight APSH targets. The ground floor kitchen, however, will drop from receiving 29% APSH in the existing to 18% in the proposed which is likely to be noticeable. There will be no change in the winter PSH to this room as it does not receive any winter sunlight in the existing due to the location of the garage of the building which limits access to sunlight from the south.

15 Willingham Way

Against the proposed scheme, neither room will meet the BRE criteria for daylight (VSC and NSL). For the VSC, the two windows will experience losses of 36.7% and 24.9% against a 20% BRE target, which are considered a moderate and minor adverse effect respectively. When considering the retain VSC, the windows will retain 14.3% and 25.7%. The ground floor therefore is just shy of meeting a 15% VSC level which is considered acceptable for an area of planned increased density and regeneration.

For the NSL, the two rooms will experience losses of 48.9% and 22.6% against a 20% BRE target, which is considered a major adverse effect and minor adverse effect respectively. When considered the retained NSL, the bedroom will retain 76% sky visibility which is considered acceptable for an area of planning increased density. The kitchen will retain 47.8% which could be considered noticeable.

In relation to sunlight, the first-floor bedroom will meet the BRE criteria for sunlight APSH targets. The ground floor kitchen, however, will drop from receiving 22% APSH in the existing to 15% in the proposed which is likely to be noticeable. There will be no change in the winter PSH to this room as it does not receive any winter sunlight in the existing due to the location of the garage of the building which limits access to sunlight from the south.

Conclusion

GIA have undertaken a detailed assessment of the potential impact to neighbouring properties within the Cambridge Road Estate against the proposed Phase 01 scheme in isolation. This assessment is for a potential hypothetical situation, should the wider masterplan not come forward. It is important to note, however, that any impact that is experienced to the neighbouring properties will not be in perpetuity as these properties form part of the wider phases of the masterplan.

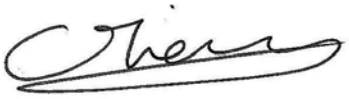
In our assessments we have considered 47 properties in the wider masterplan site boundary that sit within close proximity and have site facing windows to the Phase 01 site. Against the proposed scheme, 21 properties will meet the BRE criteria for daylight and sunlight therefore are considered to experience a negligible effect. A further 20 properties are considered to experience a minor adverse effect. The remaining six properties are considered to experience a moderate adverse effect.

Each of these properties are located on Willingham Way and in each instance the impact is caused to a ground floor kitchen and a first-floor bedroom. In all but one of the windows within these properties the windows will retain in excess of a 15% VSC which is considered acceptable for an area of planned increased density. However, there are some major adverse impacts to the No Sky Line assessment and some of these rooms will not benefit from at least half of the room area seeing direct skylight at working plane height. However, it should be noted that all the main living spaces in these properties and a further two bedrooms face away from the Phase 01 site and will therefore not be impacted by the scheme.

Overall, we therefore consider that the impact from Phase 01 coming forward will not be significant, as the majority of properties will either experience a negligible or minor adverse impact.

I trust the above is clear, however, should you have any queries do please let me know.

Yours sincerely
For and on behalf of GIA



Conor Tierney
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APPENDIX 01

ASSUMPTIONS

01

A survey has been carried out by GIA. This has been used to understand the base levels and heights of the surrounding buildings and the location and size of those apertures that surround and face the site. This survey was carried out on 20/07/2020 and issued to GIA on 22/07/2020. Any change to the surrounding environment since GIA carried out the survey has not been captured.

Where buildings were beyond the scope of the survey or were unable to be scanned due to foliage or inherent site constraints GIA have used a mix of site photographs and OS information to estimate as closely as possible the position of buildings and windows within the relevant elevations.

02

The context model has been produced using our VU.CITY platform. GIA have extracted the required area, creating a 3D model with an overall building tolerance of up to 150mm. The relevant windows have been added to the VU.CITY model from site photographs, observations and brick counting.

03

GIA have sought to create the most accurate 3D model possible based on the data available, however, a degree of tolerance should be applied.

04

The scope of buildings assessed has been determined as a reasonable zone which considers both the scale of the proposed scheme and the proximity of those buildings which surround and face the site. There may be properties outside of the considered scope that are affected by the scheme, however,no significant effects are anticipated.

05

The property uses have been ascertained by reference to a Valuation Office Agency search carried out on 17/10/2019 and based upon external observations from a site visit carried out on 20/07/2020.

06

GIA have obtained full or partial floor plans for the following properties:

- Willingham Way (Layout)
- 1-33 Westwick, Chesterton Terrace
- Franklin Close
- Madingley (assumed from photographs)

These layouts have been incorporated into our 3D computer model. It is reasonable to assume that these layouts have been implemented, however, GIA would require access to confirm this.

07

Where GIA have not been able to source detailed internal floor-plans reasonable assumptions as to the internal layouts of the rooms behind the fenestration have been made. This is normal practice where access to adjoining properties is undesirable in terms of development confidentiality. Unless the building form dictates otherwise, we assume a standard 4.2m deep room (14ft) for residential properties.

08

Floor levels have been assumed for adjoining properties as access has not been obtained. This dictates the level of the working plane which is the point at which the No Sky Line assessments are carried out.

09

GIA have discounted rooms that appear to be or are confirmed to be bathrooms, hallways, circulation space etc. These rooms are not considered to be habitable and thus do not require assessment in accordance with the BRE Guidelines.

APPENDIX 02

PRINCIPLES OF DAYLIGHT, SUNLIGHT & OVERSHADOWING

The Building Research Establishment (BRE) have set out in their handbook 'Site Layout Planning for Daylight & Sunlight: A Guide to Good Practice 2nd edition (2011)', guidelines and methodology for the measurement and assessment of daylight and sunlight.

BACKGROUND & CONTEXT

A 2.1 The quality of amenity and open spaces is often stipulated within planning policy for protection or enhancement and is often a concern for adjoining owners and other interested parties.

A 2.2 The BRE Guidelines provide advice on site layout planning to determine the quality of Daylight and Sunlight within open spaces between buildings.

A 2.3 The BRE Guidelines note that the document is intended to be used in conjunction with the interior Daylight recommendations found within the British Standard BS8206-2:2008 and The Applications Manual on Window Design of the Chartered Institution of Building Services Engineers (CIBSE).

A 2.4 The BRE Guidelines are typically referred to for daylight and sunlight amenity issues, however, they were not intended to be used as an instrument of planning policy, nor were the figures intended to be fixedly applied to all locations.

A 2.5 In the introduction of 'Site Layout Planning for Daylight and Sunlight (2011)', section 1.6 (page 1), states that:-

> *"The guide is intended for building designers and their clients, consultants and planning officials. The advice given here is not mandatory and this document 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 because natural lighting is only one of many factors in site layout design (see Section 5). In special circumstances the developer or Planning Authority may wish to use different target values. For example, in an historic city centre, or in an area with modern high rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings".*[1]

A 2.6 Paragraph 2.2.3 (page 7) of the document states:-

> *"Note that numerical values given here are purely advisory. Different criteria may be used, based on the requirements for daylighting in an area viewed against other site layout constraints".*[2]

A 2.7 The numerical criteria suggested by the BRE are therefore designed to provide industry advice/ guidance to plan/design with daylight in mind. Alternative values may be appropriate in certain circumstances such as highly dense urban areas around London. The BRE approach to creating alternative criteria is detailed within Appendix F of the Document.

A 2.8 The BRE Guidelines state that they are;

> *"intended for use for rooms in adjoining dwellings where daylight is required, including living rooms, kitchens and bedrooms. Windows to bathrooms, toilets, storerooms, circulation areas and garages need not be analysed."*[3]

A 2.9 They are therefore primarily designed to be used for residential properties however, the BRE Guidelines continue to state that they may be applied to any existing non-residential buildings where there may be a reasonable expectation of daylight including; schools, hospitals, hostels, small workshop and some offices.

A 2.10 It is important to note, however, that this document is a guide and states that its aim *"is to help rather than constrain the designer"*[4].

A 2.11 The document provides advice, but also clearly states that *"it is purely advisory and the numerical target values within it may be varied to meet the needs of the development and its location."*[5]

A 2.12 Many Local Planning Authorities consider daylight and sunlight an important factor for determining planning applications. Policies refer to both the protection of daylight and sunlight amenity within existing properties as well as the creation of proposed dwellings with high levels of daylight and sunlight amenity.

A 2.13 In terms of considering what is a material deterioration in light, Local Authorities typically refer to the BRE Guide. Although Local Authorities will look to the BRE Guide to understand impacts it is their Planning Policies that will determine whether the changes in light should be a reason for refusal at planning.

A 2.14 It is an inevitable consequence of the built up urban environment that Daylight and Sunlight will be more limited in dense urban areas. It is well acknowledged

that in such situations there may be many other conflicting and potentially more important planning and urban design matters to consider other than just the provision of ideal levels of Daylight and Sunlight.

A 2.15 The following sections extract relevant sections from the Guide.

DAYLIGHT

A 2.16 The BRE Guidelines provide three methodologies for daylight assessment, namely;

1. The Vertical Sky Component (VSC);
2. The No Sky Line (NSL); and
3. The Average Daylight Factor (ADF).

Vertical Sky Component (VSC)

A 2.17 The Vertical Sky Component (VSC) method is described in the BRE Guidelines as the;

> *"Ratio of that part of illuminance, at a point on a given vertical plane, that is received directly from a CIE standard overcast sky, to illuminance on a horizontal plane due to an unobstructed hemisphere of this sky. Usually the 'given vertical plane' is the outside of a window wall. The VSC does not include reflected light, either from the ground or from other buildings"*[6]

A 2.18 Put simply, the VSC provides an assessment of the amount of skylight falling on a vertical plane (generally a window) directly from the sky, in the circumstance of an overcast sky (CIE standard).

A 2.19 The national numerical value target "ideal" for VSC is 27%. The BRE Guidelines advise that upon implementation of a development, a window should retain a VSC value of 27% or at least 0.8 of its former value (i.e. no more than a 20% change).[7]

A 2.20 This form of assessment does not take account of window size, room use, room size, window number or dual aspect rooms. The assessment also assumes that all obstructions to the sky are 100% non-reflective.

A 2.21 The VSC calculation has been undertaken in both the existing and proposed scenarios so as to make a comparison.

A 2.22 The image in Figure 01 depicts a waldram diagram which is used to calculate the VSC. The existing buildings are solidly pictured with the proposed scheme semi-transparent in the foreground.

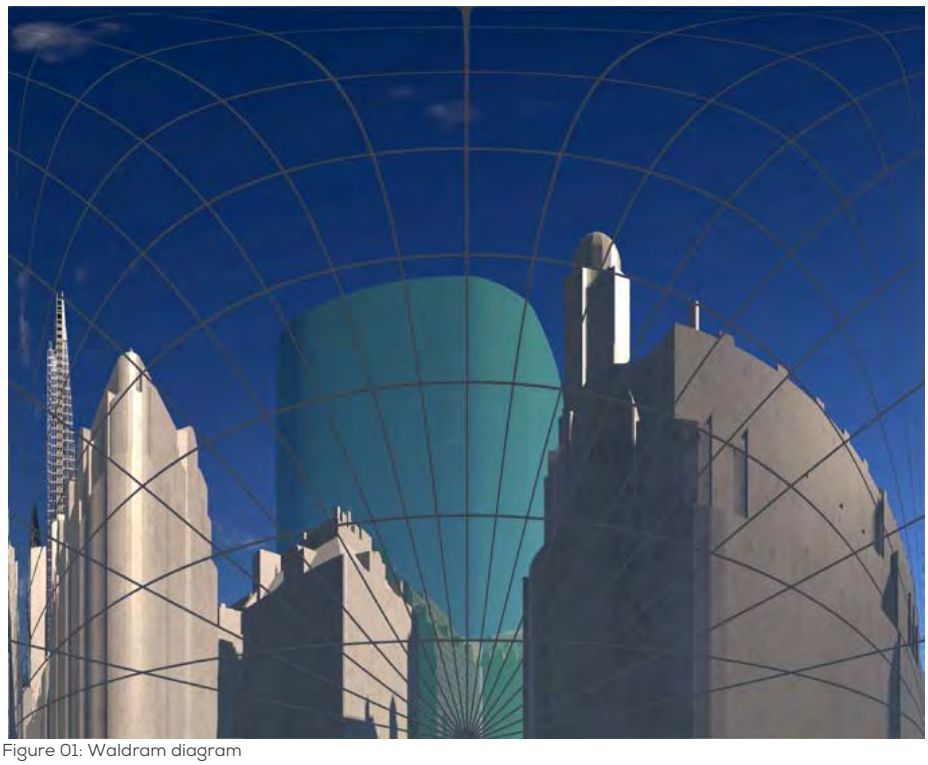

Figure 01: Waldram diagram

No Sky Line (NSL)

A 2.23 The BRE recommends the No Sky Line (NSL) method where internal layouts are known.

A 2.24 The No Sky Line (NSL) method is described as *"the outline on the working plane of the area from which no sky can be seen."*[8]

A 2.25 In summary, the NSL calculation assesses where the sky can and cannot be seen from inside a room at the working plane, *"in houses the working plane is assumed to be horizontal and 0.85m high".*[9]

A 2.26 The change in position of the NSL between the existing and proposed scenario is then calculated. This change can be illustrated on a contour plot, an example of which can be found in Figure 02.

A 2.27 The BRE Guidelines state at paragraph 2.2.9 that;

> *"If, following construction of a new development, the no sky line moves so that the area of the existing room, which does receive direct skylight, is reduced to less than 0.8 times its former value this will be noticeable to the occupants, and more of the room will appear poorly lit. This is also true if the no sky line encroaches on key areas like kitchen sinks and worktops."*[10]

A 2.28 If the NSL experiences more than a 20% change from the existing situation then, in accordance with the strict application of the national numerical values, the change in daylight would be noticeable to the occupants.

A 2.29 This assessment takes the number and size of windows serving a room into account however, there is no qualitative assessment of the light in the room, only where sky can or cannot be seen.

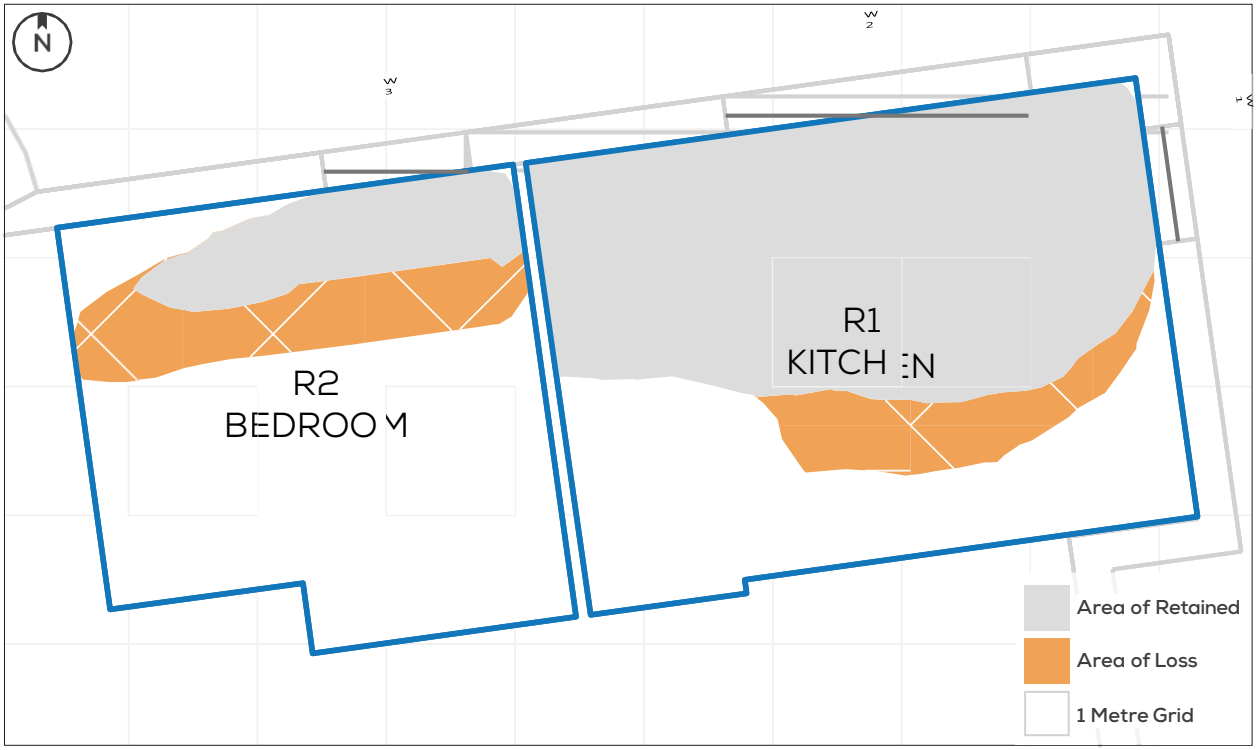

Figure 02: Example NSL diagram

Decision Chart (Figure 20 of the BRE Guide)

A 2.30 The flowchart in Figure 03 illustrates the steps and criteria outlined within the BRE Guidelines to understand whether the daylighting (VSC and NSL) may be *significantly affected*.

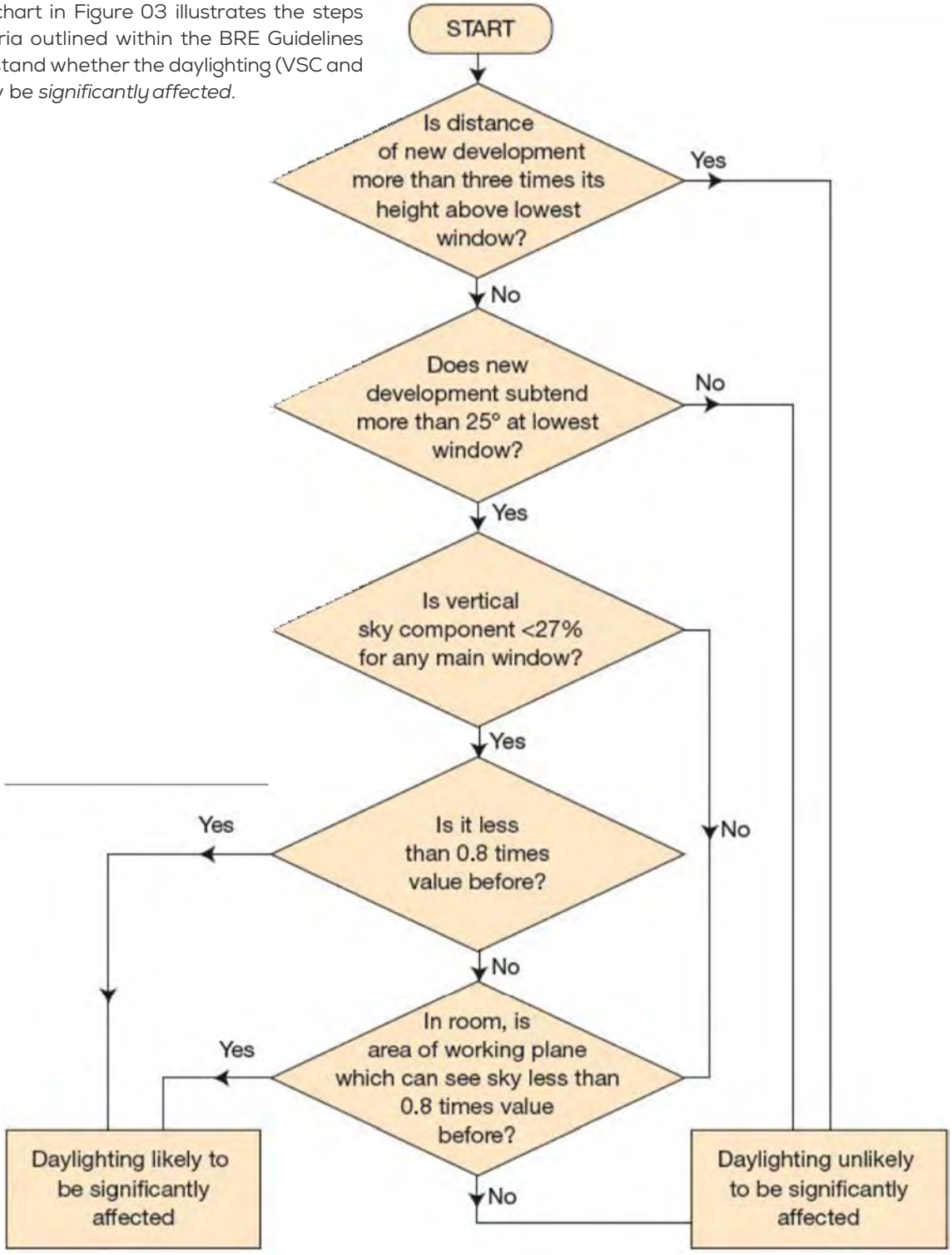

Figure 03: BRE Decision Chart (Figure 20): *diffuse daylight in existing buildings. This does not include an assessment of rights to light issues, which a developer may need to consider separately*

Average Daylight Factor (ADF)

A 2.31 The Average Daylight Factor (ADF) is defined within the 2011 BRE Guidelines as the *'ratio of total daylight flux incident on the working plane to the area of the working plane, expressed as a percentage of the outdoor illuminance on a horizontal plane due to an unobstructed CIE standard overcast sky. Thus a 1% ADF would mean that the average indoor illuminance would be one hundredth the outdoor unobstructed illuminance'*.[11]

A 2.32 This calculation considers not only the amount of skylight falling on the vertical face of the window, but also the glazing size, transmittance value, average reflectance, room area and room use. It is therefore a more detailed analysis of the daylight levels within a room.

A 2.33 British Standard 8206-2 quotes a number of recommended ADF levels based on room use. The ADF criteria is the prescribed methodology for evaluating the Daylight within proposed accommodation and the values referenced by the BRE Guidelines can be found in the British Standard document BS8206 Part II. The values for those rooms that are most relevant for our assessments are:

- Bedrooms 1% ADF
- Living rooms 1.5% ADF
- Kitchens 2% ADF[12]

A 2.34 Where one room serves more than one purpose, the minimum ADF should be that for the room type with the highest value.

A 2.35 As per the *British Standard Lighting for buildings - Part 2: Code of practice for daylighting* the ADF value should be 5%+ for a well daylit space:

> *"It is considered good practice to ensure that rooms in dwellings and in most other buildings have a predominantly daylit appearance. In order to achieve this the average daylight factor should be at least 2%. If the average daylight factor in a space is at least 5% then electric lighting is not normally needed during the daytime, provided the uniformity is satisfactory. If the average daylight factor in a space is between 2% and 5% supplementary electric lighting is usually required."*[13]

A 2.36 Appendix F of the BRE guidance states that, though not being generally recommended, the use of the ADF for loss of light to existing buildings can be appropriate in some situations:

- where the existing building is one of a series of new buildings that are being built one after another;
- where the existing building is proposed (i.e. consented) but not built;
- where the developer of the new building also owns the existing nearby building and proposes to carry out improvements to the existing building;
- where the developer also owns the existing nearby building and the affected rooms are either unoccupied or would be occupied by different people following construction of the new building.[14]

SUNLIGHT

Annual Probable Sunlight Hours (APSH)

A 2.37 The BRE Guidance suggests that to understand sunlight impacts to a property an assessment

A 2.38 of Annual Probable Sunlight Hours (APSH) is undertaken. The APSH is defined as:

> *"the long-term average of the total number of hours during a year in which direct sunlight reaches the unobstructed ground (when clouds are taken into account)"*[15]

A 2.39 In interpreting the results, the BRE Guidance states that the Sunlight to a window may be adversely affected if a point at the centre of a 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."[16]

A 2.40 To understand the potential sunlight impacts therefore, all windows facing within 90 degrees of due south and overlooking the development have been assessed for APSH.

A 2.41 The image in Figure 04 depicts the APSH sun spots on a waldram diagram. The existing buildings are solidly pictured with the proposed scheme semi-transparent in the foreground. The yellow spots indicate summer sun and the blue spots indicate winter sun.

A 2.42 The number of sun spots is calculated for both the whole year and during the winter period (21 September to 21 March), prior to an obstruction and after the obstruction is put in place. This provides a percentage of APSH for each of the time periods for each window assessed.

A 2.43 The BRE Guidelines note that:

> *"all main living rooms of dwellings…should be checked if they have a window facing within 90° of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun:* and
>
> *"If the main living room to a dwelling has a main window facing within 90° of due north, but a secondary window facing within 90° of due south, sunlight to the secondary window should be checked."*[17]

A 2.44 The BRE Guidelines set out the overall methodology and criteria for the assessment of Sunlight in Chapter 3. The BRE Guidelines state:

> *"To assess loss of sunlight to an existing building, it is suggested that all main living rooms of dwellings, and conservatories, should be checked if they have a window facing within 90 degrees of due south. Kitchens and bedrooms are less important, although care should be taken not to block too much sun.*
>
> *A point at the centre of the window on the outside face of the window wall may be taken.*
>
> *If this window reference point can receive more than one quarter of Annual Probable Sunlight Hours [25%], including at least 5% of APSH in the winter months between 21 September and 21 March, then the room should still receive enough sunlight.*
>
> *Any reduction in sunlight access below this level should be kept to a minimum. If the available sunlight hours are both less than the amount above and less than 0.8 times their former value, either over the whole year or just during the winter months (21 September - 21 March), then the occupants of the existing building will notice the loss of sunlight; if the overall annual loss is greater than 4% of APSH, the room may appear colder and less cheerful and pleasant."*[18]

Figure 04: Waldram diagram

OVERSHADOWING

A 2.45 The BRE guidance in respect of overshadowing of amenity spaces is set out in section 3.3 of the handbook. Here it states as follows:

> *"Sunlight in the spaces between buildings has an important impact on the overall appearance and ambiance of a development. It is valuable for a number of reasons:*
>
> - *To provide attractive sunlit views (all year)*
> - *To make outdoor activities, like sitting out and children's play more pleasant (mainly during the warmer months)*
> - *To encourage plant growth (mainly in spring and summer)*
> - *To dry out the ground, reducing moss and slime (mainly during the colder months)*
> - *To melt frost, ice and snow (in winter)*
> - *To dry clothes (all year)"*[19]

A 2.46 It must be acknowledged that in urban areas the availability of sunlight on the ground is a factor which is significantly controlled by the existing urban fabric around the site in question and so may have very little to do with the form of the development itself. Likewise, there may be many other urban design, planning and site constraints which determine and run contrary to the best form, siting and location of a proposed development in terms of availability of sun on the ground.

Sun Hours on Ground & Transient Overshadowing

A 2.47 The Sun Hours on Ground (SHOG) method of overshadowing assessment uses a simulation software to determine the areas which receive direct Sunlight and those which do not.

A 2.48 The BRE Guidelines suggest that the Spring Equinox (21 March) is a suitable date for the assessment as this is the midpoint of the sun's position throughout the year. Using specialist software, the path of the sun is tracked to determine where the sun would reach the ground and where it would not.

> *"It is recommended that for it [an amenity space] to appear adequately sunlit throughout the year at least half of a garden or amenity area 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 sun on 21 March is less than 0.8 times its former value, then the loss of sunlight is likely to be noticeable."*[20]

A 2.49 The Transient Overshadowing study is recommended where large buildings are proposed which may affect a number of gardens or open spaces. For the purpose of this assessment, the shadow is mapped at hourly intervals (from sun rise to sun set) on the following dates:

- 21 March (Spring equinox)
- 21 June (Summer solstice)
- 21 December (Winter solstice)

A 2.50 The September equinox is not assessed as this would provide the same results as those for 21 March.

A 2.51 The BRE guidelines do not provide any criteria for Transient Overshadowing.

BRE GUIDELINES: ADDITIONAL DAYLIGHT AND SUNLIGHT TESTS

Daylight - VSC and APSH to Rooms

A 2.52 As outlined within the BRE Guidelines the VSC value is calculated for each window; however -

> *"If a room has two or more windows of equal size, the mean of their VSC's may be taken".*[21]

A 2.53 Although not strictly in accordance with the BRE methodology, where a room is served by two or more windows of the same or different sizes, the VSC value to the room can be calculated by applying an average weighting calculation to understand the VSC value to the room. The formula used is as follows;

Σ(Vn*An) / ΣAn

Where:

V = window VSC
A = window area
n = the number of windows

A 2.54 The BRE provide a methodology to calculate APSH in relation to the room and window.

> *"If a room has multiple windows on the same walls or adjacent walls, the highest value of ASPH should be taken. If a room has two windows on opposite walls, the ASPH due to each can be added together."*[22]

A 2.55 The above extract of the BRE is in relation to proposed units rather than existing buildings. It does, however, make sense to apply this methodology to existing rooms. A room served by multiple windows could receive the benefit of Sunlight entering from all of them and not just one.

A 2.56 GIA calculate the APSH room assessment in the following way:

1 The sunlight hours (both winter and annual) are calculated for each window. Instead of simply returning the overall per cent pass rate, i.e. one figure for winter, and one for the whole year, the yes/no result of each of the 100 sun spots is tracked. For this accounting to work, each sun dot needs to be assigned a unique identifier, e.g. from 1 to 100;

2 The sets of 100 sun spots are combined for each room using Boolean logic, i.e. conjunctions of yes/no values. The outcome of this step is a set of 100 yes/no values corresponding to the 100 sun spots, but on a per-room basis. Each per-room dot is counted if it is unobstructed for at least one of its windows; and

3 The unobstructed sun dots for the room are summed up and expressed as a percentage of the total number of annual and winter spots. This returns the per-room pass rate consistent with Section 3.1.10 of BR 209.

Balconies/Overhangs

A 2.57 The BRE recognises that existing architectural features on neighbouring buildings such as balconies and overhangs inherently restrict the quantum of skylight to a window. The BRE Guidelines note on page 5, paragraph 2.1.17 and page 8, paragraph 2.2.11:

> *"This is a particular problem if there are large obstructions opposite; with the combined effect of the overhang and the obstruction, it may be impossible to see the sky from inside the room, and hence to receive any direct skylight or sunlight at all."*

> *"Existing windows with balconies above them typically receive less daylight. Because the balcony cuts out light from the top part of the sky, even a modest obstruction opposite may result in a large relative impact on the VSC, and on the area receiving direct skylight. One way to demonstrate this would be to carry out an additional calculation of the VSC and the area receiving direct skylight, for both the existing and proposed situations, without the balcony in place."*[23]

A 2.58 As noted by the BRE Guidelines, where there are existing overhanging features larger reductions in skylight and sunlight may be unavoidable and alternative criteria can be used. The guidance suggests that in such situations a calculation is carried out that excludes the balcony or the obstruction.

DAYLIGHT - MIRROR MASSING & ADJOINING DEVELOPMENT LAND

Alternative target Values for Skylight and Sunlight Access "Mirror Massing"

A 2.59 The BRE Guidelines provide a calculation for the VSC and APSH analysis to quantify an appropriate alternative value based on the context of an environment. This approach is known as the 'mirror image' analysis (see Figure 05).

A 2.60 The BRE notes:

> *"where an existing building has windows that are unusually close to the site boundary and taking more than their fair share of light. Figure 3 shows an example where side windows of an existing building are close to the boundary. To ensure that new development matches the height and proportions of existing buildings, the VSC and APSH targets for these windows could be set to those for a 'mirror-image' building of the same height and size, an equal distance away on the other side of the boundary."*[24]

A 2.61 This analysis is used to understand the levels of Daylight (VSC) and Sunlight (APSH) that would be experienced by an extant neighbouring property if there were a building of the same height and extent opposite.

A 2.62 The mirror image assessment is fairly simplistic and is not, therefore, easily applied to large and complex site footprints which are not all built at equal distances from the site boundary or of the same footprint.

Adjoining Development Land

A 2.63 The *"Adjoining Development Land"* analysis provided within the BRE Guidelines is a simple test to ensure that a proposal is a reasonable distance from the boundary so as to *"enable future nearby developments to enjoy a similar access to daylight."*

A 2.64 The BRE comments that:

> *"The diffuse daylight coming over the boundary may be quantified in the following way. As a first check, draw a section in a plane perpendicular to the boundary (Figure 21). If a road separates the two sites then the centre line of the road should be taken. Measure the angle to the horizontal subtended at a point 1.6 m. above the boundary by the proposed new buildings. If this angle is less than 43 ° then there will normally still be the potential for good daylighting on the adjoining development site (but see Sections 2.3.6 and 2.3.7)."*[25]
>
> *"The guidelines above should not be applied too rigidly. A particularly important exception occurs when the two sites are very unequal in size and the proposed new building is larger in scale than the likely future development nearby. This is because the numerical values above are derived by assuming the future development will be exactly the same size as the ·proposed new building (Figure 22). If the adjoining sites for development are a lot smaller, a better approach is to make a rough prediction of where the nearest window wall of the future development may be; then to carry out the 'new building' analysis in Section 2.1 for this window wall."*[26]
>
> *"The 43° angle should not be used as a form generator, to produce a building which slopes or steps down towards the boundary. Compare Figure 23 with Figure 22 to see how this can result in a higher than anticipated obstruction to daylight. In Figure 23 the proposed building subtends 34° at its mirror image, rather than the maximum of 25° suggested here. In cases of doubt, the best approach is again to carry out a new building analysis for the most likely location of a window wall of a future development."*[27]

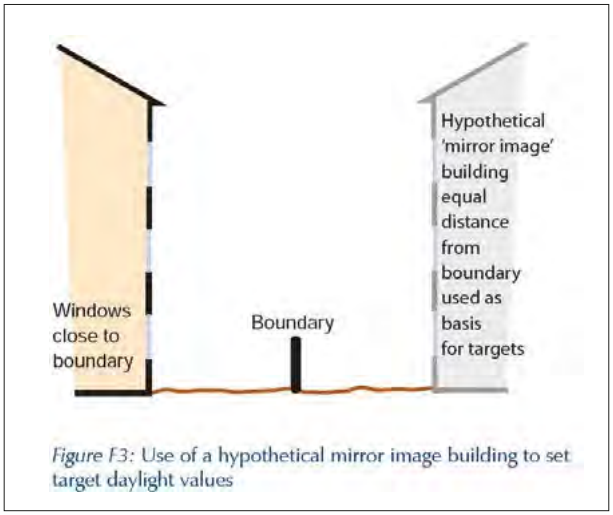

Figure 05: Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 64 Figure F3

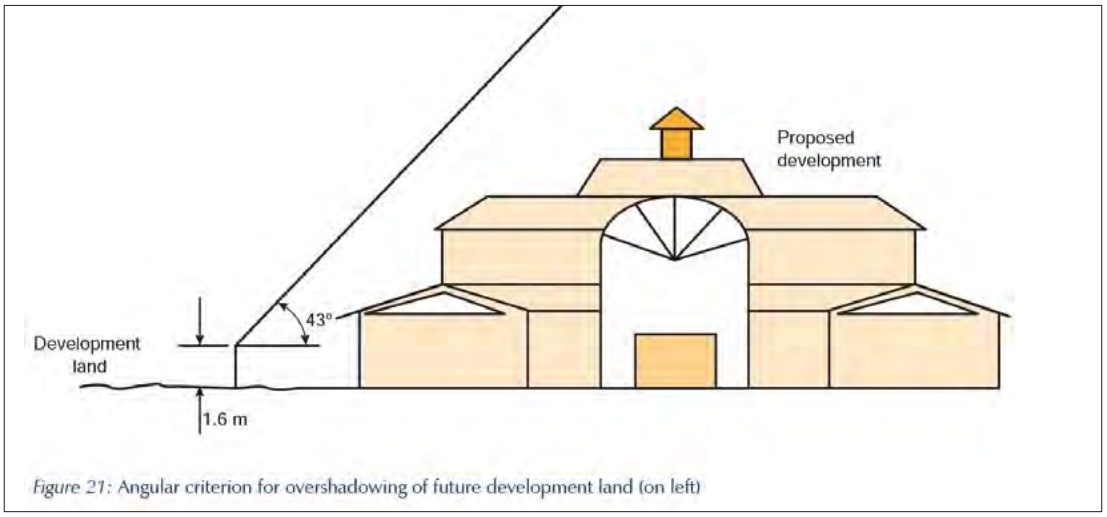

Figure 21: Angular criterion for overshadowing of future development land (on left)

Image © BRE Guidelines

Figure 06: Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 11 Figure F21

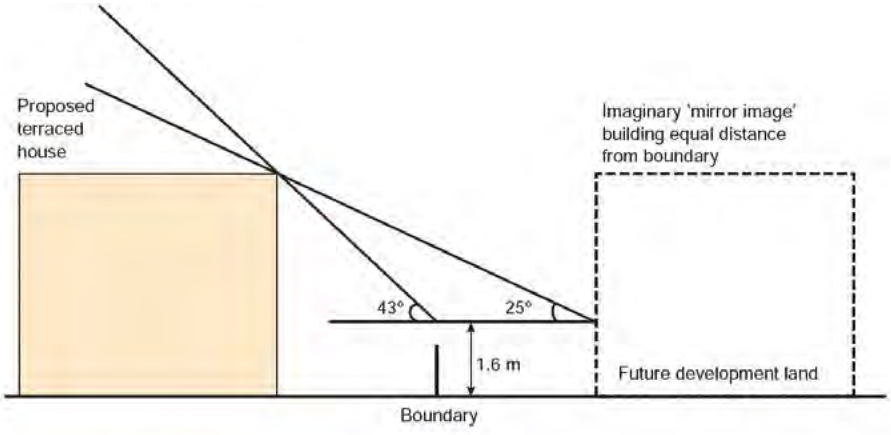

Figure 22: Derivation of an angular boundary criterion to safeguard future development of adjoining land

Image © BRE Guidelines

Figure 07: Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 12 Figure 22

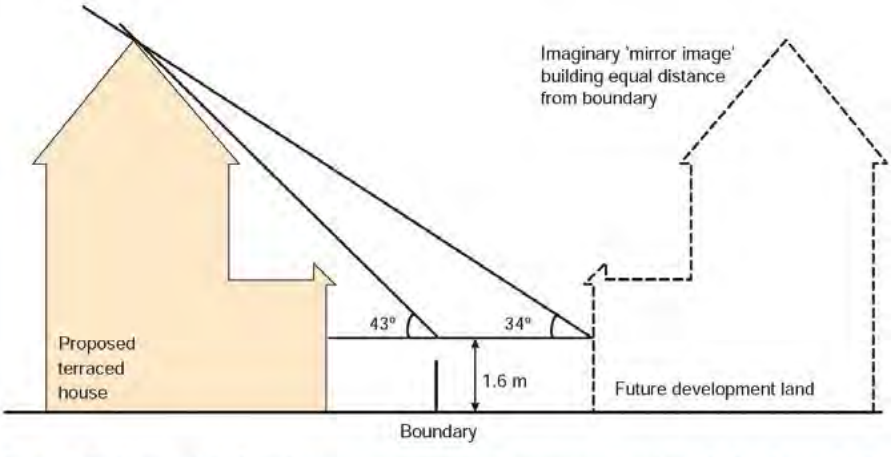

Figure 23: Problems with the boundary criterion can occur when a stepped façade overlooks adjoining land

Image © BRE Guidelines

Figure 08: Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: HIS BRE Press p 12 Figure 23

A 2.65 As is outlined above the Adjoining Development Land analysis is predicated on ensuring that a proposal next to future development land is not negatively impacting the ability to develop in consideration of light matters.

Other Amenity Considerations

A 2.66 Daylight and sunlight is one factor among many under the heading of residential amenity considerations for any given development design or planning application; others include:

- outlook;
- sense of enclosure;
- privacy;
- access to outdoor space e.g. balconies or communal garden/courtyard.

CONTEXT METHODOLOGY

A 2.67 In May 2019 the British Standard (BS8206-2:2008) was superseded by the new European Standard on daylight *"BS EN 17037:2018 Daylight in buildings"* but this standard is only applicable for assessing the levels of light within proposed developments. Until and unless it is revised, therefore, BR209 remains the basis for assessing impacts to neighbours and the new European Standard is not relevant for this report.

ENDNOTES

1 Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 1, paragraph 1.6

2 Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 7, paragraph 2.2.3

3 Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 7 paragraph 2.2.

4 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 1, paragraph 1.6

5 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page v

6 Littlefair, P. (2011). Site Layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page viii

7 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 7, paragraph 2.2.7

8 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page viii

9 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 7, paragraph 2.2.8

10 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 8, paragraph 2.2.9

11 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page viii

12 British Standard 8206-2:2008, page 10, paragraph 5.6

13 British Standard 8206-2:2008, page 9-10, paragraph 5.5

14 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 64, paragraph F8

15 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page viii

16 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 17, paragraph 3.2.11

17 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 16 paragraph 3.2.3 and paragraph 3.2.4

18 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 16 paragraph 3.2.3, paragraph 3.2.4 and 3.2.5 and page 17 paragraph 3.2.6

19 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 18, paragraph 3.3.1

20 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 20, paragraph 3.3.17

21 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 7, paragraph 2.2.6

22 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 16, paragraph 3.1.12

23 Littlefair, P. (2011). Site layout Planning for Daylight and Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 5, paragraph 2.1.17 and page 8, paragraph 2.2.11

24 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 62, paragraph F5

25 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 11, paragraph 2.3.3

26 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 11, paragraph 2.3.6

27 Littlefair, P. (2011). Site layout Planning for Daylightand Sunlight – A Guide to Good Practice. Hertfordshire: IHS BRE Press, page 11 paragraph 2.3.7

APPENDIX 03
DRAWINGS

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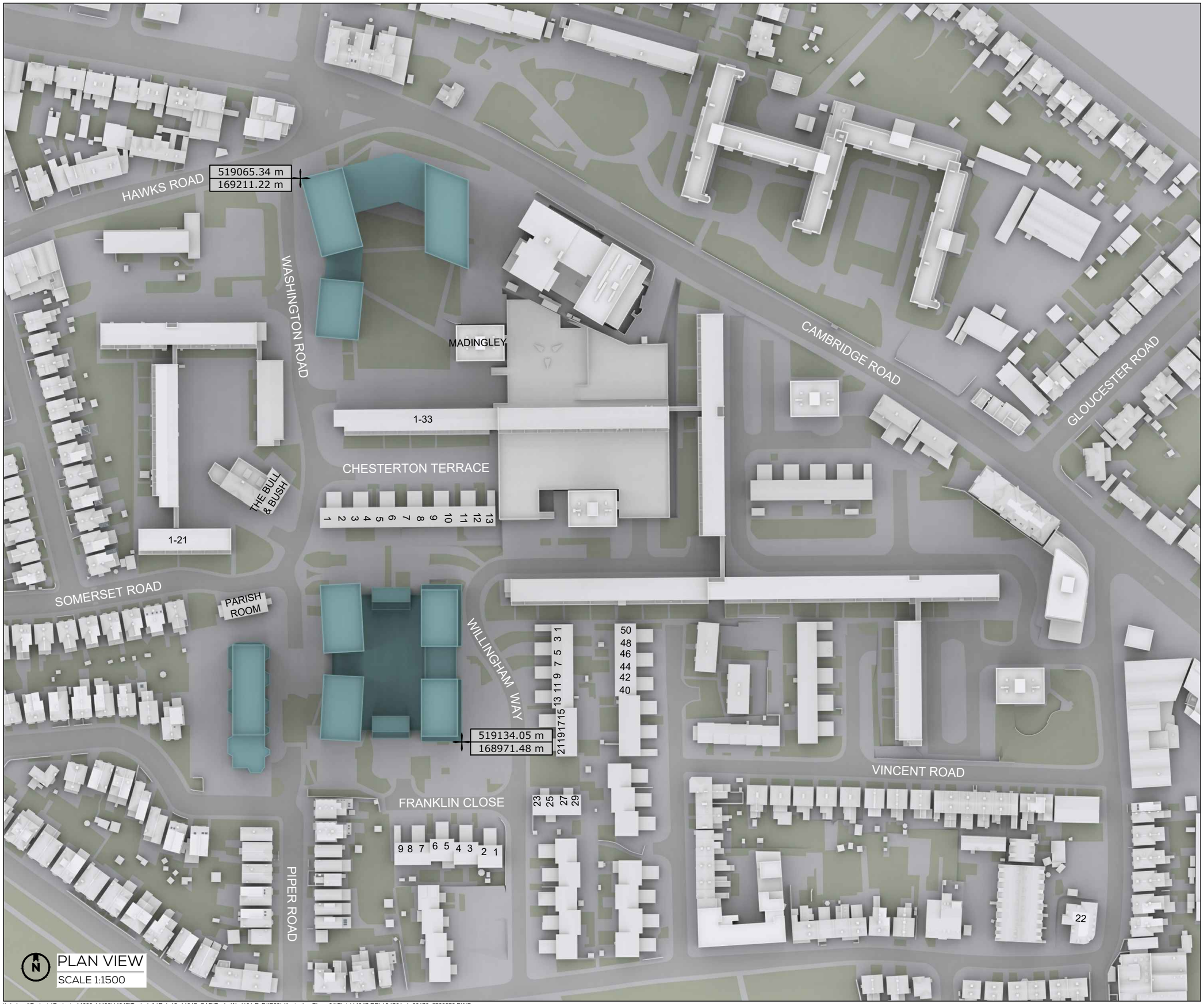

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APPENDIX 04

RESULTS & CONTOURS

EXISTING V PROPOSED

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
1-21 CONNINGTON SOMERSET ROAD																													
F00	R3	RESIDENTIAL	UNKNOWN		W4/F00	34.5	29.8	4.7	13.6%	34.5	29.8	4.7	13.6%	99.6	99.6	0.0	0.0%	85	28	68	18	20.0%	35.7%	85	28	68	18	20.0%	35.7%
	R4	RESIDENTIAL	UNKNOWN		W5/F00	34.5	29.3	5.2	15.1%	34.5	29.3	5.2	15.1%	99.6	99.6	0.0	0.0%	83	26	68	18	18.1%	30.8%	83	26	68	18	18.1%	30.8%
F01	R1	RESIDENTIAL	UNKNOWN		W1/F01	36.2	31.5	4.7	13.0%	26.5	22.2	4.3	16.2%	100	100	0.0	0.0%	86	30	74	24	14.0%	20.0%	86	30	74	24	14.0%	20.0%
			UNKNOWN		W2/F01	9.4	4.6	4.8	51.1%									33	15	22	7	33.3%	53.3%						
			UNKNOWN		W3/F01	4.7	2.2	2.5	53.2%									16	13	10	7	37.5%	46.2%						
	R2	RESIDENTIAL	UNKNOWN		W4/F01	6.4	4.6	1.8	28.1%	6.4	4.6	1.8	28.1%	98.3	93.4	0.5	5.0%	9	9	6	6	33.3%	33.3%	9	9	6	6	33.3%	33.3%
	R3	RESIDENTIAL	UNKNOWN		W5/F01	6.2	4.4	1.8	29.0%	6.2	4.4	1.8	29.0%	98.3	98.3	0.0	0.0%	9	9	7	7	22.2%	22.2%	9	9	7	7	22.2%	22.2%
	R4	RESIDENTIAL	UNKNOWN		W6/F01	9.8	9.8	0	0.0%	26.6	22.6	4	15.0%	100	100	0.0	0.0%	37	14	37	14	0.0%	0.0%	85	29	70	21	17.6%	27.6%
			UNKNOWN		W7/F01	4.9	4.9	0	0.0%									17	12	17	12	0.0%	0.0%						
			UNKNOWN		W8/F01	36.2	30.3	5.9	16.3%									85	29	70	21	17.6%	27.6%						
F02	R1	RESIDENTIAL	UNKNOWN		W1/F02	37.6	33.1	4.5	12.0%	37.6	33.1	4.5	12.0%	100	100	0.0	0.0%	86	30	75	24	12.8%	20.0%	86	30	75	24	12.8%	20.0%
	R2	RESIDENTIAL	UNKNOWN		W2/F02	37.6	32.6	5	13.3%	37.6	32.6	5	13.3%	100	100	0.0	0.0%	86	30	73	23	15.1%	23.3%	86	30	73	23	15.1%	23.3%
	R3	RESIDENTIAL	UNKNOWN		W3/F02	37.7	32.3	5.4	14.3%	37.7	32.3	5.4	14.3%	100	100	0.0	0.0%	86	30	73	23	15.1%	23.3%	86	30	73	23	15.1%	23.3%
	R4	RESIDENTIAL	UNKNOWN		W4/F02	37.7	31.9	5.8	15.4%	37.7	31.9	5.8	15.4%	100	100	0.0	0.0%	86	30	72	23	16.3%	23.3%	86	30	72	23	16.3%	23.3%
	R5	RESIDENTIAL	UNKNOWN		W5/F02 / INC (2)	36.2	29.3	6.9	19.1%	36.2	29.3	6.9	19.1%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	RESIDENTIAL	UNKNOWN		W1/F03	35.3	31.2	4.1	11.6%	35.3	31.2	4.1	11.6%	100	100	0.0	0.0%	81	26	73	21	9.9%	19.2%	81	26	73	21	9.9%	19.2%
	R2	RESIDENTIAL	UNKNOWN		W2/F03	33.6	32.1	1.5	4.5%	33.6	32.1	1.5	4.5%	99.6	99.6	0.0	0.0%	69	23	67	21	2.9%	8.7%	69	23	67	21	2.9%	8.7%
	R3	RESIDENTIAL	UNKNOWN		W3/F03	33.5	28.5	5	14.9%	33.5	28.5	5	14.9%	99.6	99.6	0.0	0.0%	74	23	63	17	14.9%	26.1%	74	23	63	17	14.9%	26.1%
	R4	RESIDENTIAL	UNKNOWN		W4/F03	37.8	32.5	5.3	14.0%	37.7	32	5.7	15.1%	100	100	0.0	0.0%	85	29	74	23	12.9%	20.7%	90	29	81	24	10.0%	17.2%
			UNKNOWN		W5/F03 / INC (2)	37.2	30.3	6.9	18.5%									46	15	46	11	60.4%	60.0%						
F04	R1	RESIDENTIAL	UNKNOWN		W1/F04	38.4	34.6	3.8	9.9%	38.4	34.6	3.8	9.9%	100	100	0.0	0.0%	86	30	82	27	4.7%	10.0%	86	30	82	27	4.7%	10.0%
	R2	RESIDENTIAL	UNKNOWN		W2/F04	38.4	34.2	4.2	10.9%	38.4	34.2	4.2	10.9%	100	100	0.0	0.0%	86	30	81	26	5.8%	13.3%	86	30	81	26	5.8%	13.3%
	R3	RESIDENTIAL	UNKNOWN		W3/F04	38.4	33.9	4.5	11.7%	38.4	33.9	4.5	11.7%	100	100	0.0	0.0%	86	30	79	26	8.1%	13.3%	86	30	79	26	8.1%	13.3%
	R4	RESIDENTIAL	UNKNOWN		W4/F04	38.4	33.5	4.9	12.8%	38.2	32.9	5.3	13.9%	100	100	0.0	0.0%	86	30	78	26	9.3%	13.3%	91	30	83	26	8.8%	13.3%
			UNKNOWN		W5/F04 / INC (2)	37.7	31.2	6.5	17.2%									49	15	49	10	18.4%	33.3%						
THE BULL & BUSH PH EXCELSIOR ROAD																													
F01	R1 (3)	RESIDENTIAL	UNKNOWN	ASSUMED	W1/F01	20.6	17.9	2.7	13.1%	24.2	21.5	2.7	11.2%	88.3	88.3	0.0	0.0%	47	20	40	15	14.9%	25.0%	57	20	50	15	12.3%	25.0%
			UNKNOWN		W2/F01	27.9	25.1	2.8	10.0%									57	20	49	14	14.0%	30.0%						
	R2	RESIDENTIAL	UNKNOWN	ASSUMED	W3/F01	30.8	27.7	3.1	10.1%	34.1	26.9	7.2	21.1%	100	100	0.0	0.0%	66	23	55	14	16.7%	39.1%	92	27	79	16	14.1%	40.7%
			UNKNOWN		W4/F01	35.2	26.7	8.5	24.1%									83	27	69	16	16.9%	40.7%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			UNKNOWN		W5/F01	35.3	26.5	8.8	24.9%									63	23	49	12	22.2%	47.8%						
THE BULL & BUSH PH EXCELSIOR ROAD (CONTINUED)																													
			UNKNOWN		W6/F01	35.1	26.6	8.5	24.2%									61	22	47	11	23.0%	50.0%						
	R3	RESIDENTIAL	UNKNOWN	ASSUMED	W7/F01	35	26.8	8.2	23.4%	34.9	26.8	8.1	23.2%	98.9	95	0.7	4.0%	61	22	51	14	16.4%	36.4%	61	22	52	15	14.8%	31.8%
			UNKNOWN		W8/F01	34.8	26.9	7.9	22.7%									60	21	51	14	15.0%	33.3%						
	R4	RESIDENTIAL	UNKNOWN	ASSUMED	W9/F01	34.7	27.1	7.6	21.9%	34.6	27.1	7.5	21.7%	99.4	94.5	0.7	5.0%	60	21	51	13	15.0%	38.1%	60	21	51	13	15.0%	38.1%
			UNKNOWN		W10/F01	34.5	27.2	7.3	21.2%									60	21	50	12	16.7%	42.9%						
	R5	RESIDENTIAL	UNKNOWN	ASSUMED	W11/F01	34.5	27.5	7	20.3%	34.5	27.5	7	20.3%	99.1	94.4	0.5	4.7%	60	21	49	11	18.3%	47.6%	60	21	49	11	18.3%	47.6%
1 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	33.7	21.7	12	35.6%	33.8	21.4	12.4	36.7%	99.6	96	0.3	3.6%	83	27	61	14	26.5%	48.1%	84	28	61	14	27.4%	50.0%
			UNKNOWN		W2/F00	34.1	21.5	12.6	37.0%									84	28	61	14	27.4%	50.0%						
			UNKNOWN		W3/F00	33.3	21.1	12.2	36.6%									82	26	57	13	30.5%	50.0%						
			UNKNOWN		W4/F00	34	21	13	38.2%									84	28	59	14	29.8%	50.0%						
	R2	RESIDENTIAL	UNKNOWN		W5/F00	33.3	20.1	13.2	39.6%	33.3	20.1	13.2	39.6%	99.7	90.1	1.0	9.7%	82	26	52	11	36.6%	57.7%	82	26	52	11	36.6%	57.7%
	R3	RESIDENTIAL	UNKNOWN		W6/F00	29.2	28.3	0.9	3.1%	29.2	28.3	0.9	3.1%	98.4	98.4	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	35.8	22	13.8	38.5%	35.8	22	13.8	38.5%	99.8	96.9	0.3	2.9%	85	29	61	14	28.2%	51.7%	85	29	61	14	28.2%	51.7%
	R2	RESIDENTIAL	BEDROOM		W2/F01	35.5	20.7	14.8	41.7%	35.5	20.7	14.8	41.7%	99.7	88.7	1.1	11.0%	85	29	55	11	35.3%	62.1%	85	29	55	11	35.3%	62.1%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	29.4	28.3	1.1	3.7%	29.4	28.3	1.1	3.7%	97.3	97.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	29.4	28.2	1.2	4.1%	29.4	28.2	1.2	4.1%	99.4	99.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	31	17	14	45.2%	30.8	17.1	13.7	44.5%	99.9	66.1	3.0	33.8%	78	22	47	7	39.7%	68.2%	78	22	48	7	38.5%	68.2%
			UNKNOWN		W4/F00	30.6	17.2	13.4	43.8%									77	21	48	7	37.7%	66.7%						
	R2	RESIDENTIAL	UNKNOWN		W2/F00	31.8	16.9	14.9	46.9%	31.8	16.9	14.9	46.9%	99.6	59.2	4.4	40.5%	79	23	51	9	35.4%	60.9%	79	23	51	9	35.4%	60.9%
	R3	RESIDENTIAL	UNKNOWN		W3/F00	27.2	26.6	0.6	2.2%	27.2	26.6	0.6	2.2%	98.6	98.5	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	34.4	18.1	16.3	47.4%	34.4	18.1	16.3	47.4%	99.9	74.6	2.3	25.4%	82	26	51	8	37.8%	69.2%	82	26	51	8	37.8%	69.2%
	R2	RESIDENTIAL	BEDROOM		W2/F01	34.4	18	16.4	47.7%	34.4	18	16.4	47.7%	99.7	67.3	3.6	32.4%	83	27	54	9	34.9%	66.7%	83	27	54	9	34.9%	66.7%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	27.9	26.9	1	3.6%	27.9	26.9	1	3.6%	97.2	95.3	0.2	2.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	28.1	27.1	1	3.6%	28.1	27.1	1	3.6%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4 CHESTERTON TERRACE																													

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	28.3	18	10.3	36.4%	28.3	18	10.3	36.4%	96.1	91	0.6	5.3%	73	17	50	10	31.5%	41.2%	73	17	50	10	31.5%	41.2%
	R2	RESIDENTIAL	UNKNOWN		W2/F00	29.5	17.6	11.9	40.3%	29.7	17.5	12.2	41.1%	99.8	93.2	0.6	6.7%	75	19	48	8	36.0%	57.9%	78	21	50	8	35.9%	61.9%
4 CHESTERTON TERRACE (CONTINUED)																													
			UNKNOWN		W3/F00	29.1	17.3	11.8	40.5%									75	18	48	7	36.0%	61.1%						
			UNKNOWN		W4/F00	30.4	17.3	13.1	43.1%									77	21	49	8	36.4%	61.9%						
	R3	RESIDENTIAL	UNKNOWN		W5/F00	25.8	25.2	0.6	2.3%	25.8	25.2	0.6	2.3%	98.5	98.1	0.0	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	33.3	18.9	14.4	43.2%	33.3	18.9	14.4	43.2%	99.7	92.2	0.8	7.5%	81	25	55	12	32.1%	52.0%	81	25	55	12	32.1%	52.0%
	R2	RESIDENTIAL	BEDROOM		W2/F01	34.2	18.5	15.7	45.9%	34.2	18.5	15.7	45.9%	99.9	95.6	0.4	4.3%	81	25	51	9	37.0%	64.0%	81	25	51	9	37.0%	64.0%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	28.3	27.3	1	3.5%	28.3	27.3	1	3.5%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	28.5	27.5	1	3.5%	28.5	27.5	1	3.5%	96	95.1	0.1	1.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	26.8	18.6	8.2	30.6%	27.1	18.6	8.5	31.4%	92.6	93.7	-0.1	-1.2%	70	14	51	10	27.1%	28.6%	73	17	54	11	26.0%	35.3%
			UNKNOWN		W4/F00	27.5	18.5	9	32.7%									71	15	52	10	26.8%	33.3%						
	R2	RESIDENTIAL	UNKNOWN		W2/F00	26.7	18.6	8.1	30.3%	26.7	18.6	8.1	30.3%	89.7	95.6	-0.6	-6.6%	71	15	52	10	26.8%	33.3%	71	15	52	10	26.8%	33.3%
	R3	RESIDENTIAL	UNKNOWN		W3/F00	28.7	28.2	0.5	1.7%	28.7	28.2	0.5	1.7%	98.6	98.6	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	33.2	19.3	13.9	41.9%	33.2	19.3	13.9	41.9%	99.9	94.8	0.5	5.1%	82	26	56	12	31.7%	53.8%	82	26	56	12	31.7%	53.8%
	R2	RESIDENTIAL	BEDROOM		W2/F01	32.5	19.4	13.1	40.3%	32.5	19.4	13.1	40.3%	99.7	94.5	0.6	5.2%	80	24	55	12	31.3%	50.0%	80	24	55	12	31.3%	50.0%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	28.8	27.9	0.9	3.1%	28.8	27.9	0.9	3.1%	97.2	97.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	29	28.1	0.9	3.1%	29	28.1	0.9	3.1%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	31.3	18.9	12.4	39.6%	31.3	18.9	12.4	39.6%	99.7	86.3	1.5	13.5%	78	22	55	12	29.5%	45.5%	78	22	55	12	29.5%	45.5%
	R2	RESIDENTIAL	UNKNOWN		W2/F00	29.2	18.7	10.5	36.0%	28.9	18.6	10.3	35.6%	99.2	95.2	0.3	4.0%	75	19	53	11	29.3%	42.1%	75	19	54	11	28.0%	42.1%
			UNKNOWN		W3/F00	28.6	18.6	10	35.0%									73	17	54	11	26.0%	35.3%						
	R3	RESIDENTIAL	UNKNOWN		W4/F00	26.9	26.3	0.6	2.2%	26.9	26.3	0.6	2.2%	98.5	98.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	35.1	19.6	15.5	44.2%	35.1	19.6	15.5	44.2%	99.7	82.6	1.9	17.1%	85	29	58	13	31.8%	55.2%	85	29	58	13	31.8%	55.2%
	R2	RESIDENTIAL	BEDROOM		W2/F01	34.4	19.3	15.1	43.9%	34.4	19.3	15.1	43.9%	99.9	95.4	0.4	4.5%	84	28	57	13	32.1%	53.6%	84	28	57	13	32.1%	53.6%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	29.2	28.2	1	3.4%	29.2	28.2	1	3.4%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	29.3	28.3	1	3.4%	29.3	28.3	1	3.4%	96.6	96	0.1	0.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11 CHESTERTON TERRACE																													

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	31.9	21.6	10.3	32.3%	31.9	21.6	10.3	32.3%	99.9	93.8	0.5	6.2%	79	23	56	12	29.1%	47.8%	79	23	56	12	29.1%	47.8%
	R2	RESIDENTIAL	UNKNOWN		W2/F00	31.9	22.4	9.5	29.8%	31.7	22.2	9.5	30.0%	99.8	92.9	0.7	6.9%	78	22	58	13	25.6%	40.9%	78	22	59	13	24.4%	40.9%
			UNKNOWN		W3/F00	31.7	22.4	9.3	29.3%									78	22	59	13	24.4%	40.9%						
11 CHESTERTON TERRACE (CONTINUED)																													
			UNKNOWN		W4/F00	26.7	17	9.7	36.3%									68	22	49	13	27.9%	40.9%						
	R3	RESIDENTIAL	UNKNOWN		W5/F00	25.5	25.1	0.4	1.6%	25.5	25.1	0.4	1.6%	98.2	96.7	0.1	1.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	33.7	22.4	11.3	33.5%	33.7	22.4	11.3	33.5%	99.9	94.6	0.5	5.3%	82	26	58	13	29.3%	50.0%	82	26	58	13	29.3%	50.0%
	R2	RESIDENTIAL	BEDROOM		W2/F01	33.6	23.2	10.4	31.0%	33.6	23.2	10.4	31.0%	99.7	94.6	0.6	5.1%	81	25	61	14	24.7%	44.0%	81	25	61	14	24.7%	44.0%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	26.2	25.4	0.8	3.1%	26.2	25.4	0.8	3.1%	95.7	92.3	0.3	3.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	26.3	25.5	0.8	3.0%	26.3	25.5	0.8	3.0%	99.5	99	0.0	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	30	19.8	10.2	34.0%	30.3	20	10.3	34.0%	99.7	91.1	0.9	8.7%	76	20	57	13	25.0%	35.0%	76	20	59	13	22.4%	35.0%
			UNKNOWN		W2/F00	30.2	19.9	10.3	34.1%									76	20	56	12	26.3%	40.0%						
			UNKNOWN		W3/F00	30.5	20.2	10.3	33.8%									75	19	56	11	25.3%	42.1%						
	R2	RESIDENTIAL	UNKNOWN		W4/F00	31.6	20.8	10.8	34.2%	31.6	20.8	10.8	34.2%	99.9	94.1	0.5	5.8%	78	22	55	10	29.5%	54.5%	78	22	55	10	29.5%	54.5%
	R3	RESIDENTIAL	UNKNOWN		W5/F00	25.2	24.9	0.3	1.2%	25.2	24.9	0.3	1.2%	98.2	96.2	0.2	2.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	33.6	20.8	12.8	38.1%	33.6	20.8	12.8	38.1%	99.7	93.5	0.7	6.3%	82	26	57	12	30.5%	53.8%	82	26	57	12	30.5%	53.8%
	R2	RESIDENTIAL	BEDROOM		W2/F01	33.7	21.6	12.1	35.9%	33.7	21.6	12.1	35.9%	99.9	94.6	0.5	5.2%	82	26	57	12	30.5%	53.8%	82	26	57	12	30.5%	53.8%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	26.4	25.6	0.8	3.0%	26.4	25.6	0.8	3.0%	99.5	99	0.0	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	26.5	25.7	0.8	3.0%	26.5	25.7	0.8	3.0%	94.9	91.5	0.4	3.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	26.5	19	7.5	28.3%	26.3	19	7.3	27.8%	93.6	94.6	-0.1	-1.1%	70	14	53	11	24.3%	21.4%	70	14	54	11	22.9%	21.4%
			UNKNOWN		W4/F00	26	19	7	26.9%									68	13	51	9	25.0%	30.8%						
	R2	RESIDENTIAL	UNKNOWN		W2/F00	28.9	19.3	9.6	33.2%	28.9	19.3	9.6	33.2%	99.7	98.2	0.2	1.6%	74	18	55	11	25.7%	38.9%	74	18	55	11	25.7%	38.9%
	R3	RESIDENTIAL	UNKNOWN		W3/F00	25.8	25.2	0.6	2.3%	25.8	25.2	0.6	2.3%	98.4	94.8	0.3	3.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	32.1	19.9	12.2	38.0%	32.1	19.9	12.2	38.0%	99.8	95.8	0.4	3.9%	80	24	54	10	32.5%	58.3%	80	24	54	10	32.5%	58.3%
	R2	RESIDENTIAL	BEDROOM		W2/F01	33.2	20.1	13.1	39.5%	33.2	20.1	13.1	39.5%	99.7	96.1	0.4	3.6%	81	25	55	11	32.1%	56.0%	81	25	55	11	32.1%	56.0%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	26.7	25.8	0.9	3.4%	26.7	25.8	0.9	3.4%	96.2	88.3	0.8	8.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	26.8	25.8	1	3.7%	26.8	25.8	1	3.7%	99.5	96.8	0.2	2.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
8 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	24.9	18.7	6.2	24.9%	24.9	18.7	6.2	24.9%	89	95.9	-0.7	-7.7%	67	11	51	8	23.9%	27.3%	67	11	51	8	23.9%	27.3%
	R2	RESIDENTIAL	UNKNOWN		W2/F00	24.5	18.9	5.6	22.9%	24.8	18.9	5.9	23.8%	91.4	95.2	-0.3	-4.1%	66	11	51	9	22.7%	18.2%	69	13	53	10	23.2%	23.1%
			UNKNOWN		W3/F00	25	18.9	6.1	24.4%									68	12	53	10	22.1%	16.7%						
8 CHESTERTON TERRACE (CONTINUED)																													
	R3	RESIDENTIAL	UNKNOWN		W4/F00	25.5	25	0.5	2.0%	25.5	25	0.5	2.0%	98.5	95.7	0.2	2.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	30.7	19.7	11	35.8%	30.7	19.7	11	35.8%	99.6	94.6	0.6	5.0%	77	21	53	9	31.2%	57.1%	77	21	53	9	31.2%	57.1%
	R2	RESIDENTIAL	BEDROOM		W2/F01	31.2	19.9	11.3	36.2%	31.2	19.9	11.3	36.2%	99.9	95.8	0.4	4.1%	78	22	55	11	29.5%	50.0%	78	22	55	11	29.5%	50.0%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	26.9	25.9	1	3.7%	26.9	25.9	1	3.7%	99.6	97	0.2	2.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	27	26	1	3.7%	27	26	1	3.7%	93.3	89.1	0.4	4.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	29.2	17.2	12	41.1%	28.9	17.3	11.6	40.1%	99.9	60.8	3.8	39.1%	71	16	45	6	36.6%	62.5%	72	16	45	6	37.5%	62.5%
			UNKNOWN		W2/F00	28.6	17.3	11.3	39.5%									71	15	45	6	36.6%	60.0%						
	R2	RESIDENTIAL	UNKNOWN		W3/F00	27.2	17.8	9.4	34.6%	27.2	17.8	9.4	34.6%	95.4	89.8	0.6	5.9%	69	14	50	7	27.5%	50.0%	69	14	50	7	27.5%	50.0%
	R3	RESIDENTIAL	UNKNOWN		W4/F00	26.3	25.7	0.6	2.3%	26.3	25.7	0.6	2.3%	98.6	97.3	0.1	1.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	33.3	18.3	15	45.0%	33.3	18.3	15	45.0%	99.9	69.3	3.0	30.6%	80	24	49	8	38.8%	66.7%	80	24	49	8	38.8%	66.7%
	R2	RESIDENTIAL	BEDROOM		W2/F01	32	18.9	13.1	40.9%	32	18.9	13.1	40.9%	99.7	91.5	0.9	8.2%	79	23	53	8	32.9%	65.2%	79	23	53	8	32.9%	65.2%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	27.2	26.2	1	3.7%	27.2	26.2	1	3.7%	97.3	92.8	0.5	4.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	27.3	26.3	1	3.7%	27.3	26.3	1	3.7%	99.5	99	0.0	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	31.6	16.9	14.7	46.5%	31.6	16.9	14.7	46.5%	99.7	60.2	4.0	39.7%	80	24	51	8	36.3%	66.7%	80	24	51	8	36.3%	66.7%
	R2	RESIDENTIAL	UNKNOWN		W2/F00	30.5	17.1	13.4	43.9%	30.3	17.1	13.2	43.6%	99.6	60.3	3.9	39.4%	76	20	50	8	34.2%	60.0%	76	20	52	9	31.6%	55.0%
			UNKNOWN		W3/F00	30.1	17.1	13	43.2%									75	19	48	9	36.0%	52.6%						
	R3	RESIDENTIAL	UNKNOWN		W4/F00	25.6	25	0.6	2.3%	25.6	25	0.6	2.3%	98.5	97.7	0.1	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	34.3	18.1	16.2	47.2%	34.3	18.1	16.2	47.2%	99.7	67.3	3.4	32.6%	83	27	52	8	37.3%	70.4%	83	27	52	8	37.3%	70.4%
	R2	RESIDENTIAL	BEDROOM		W2/F01	34	18.2	15.8	46.5%	34	18.2	15.8	46.5%	99.8	68.5	3.2	31.4%	83	27	54	10	34.9%	63.0%	83	27	54	10	34.9%	63.0%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	27.5	26.4	1.1	4.0%	27.5	26.4	1.1	4.0%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	27.6	26.6	1	3.6%	27.6	26.6	1	3.6%	93.6	92.2	0.2	1.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13 CHESTERTON TERRACE																													

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	30.8	22.5	8.3	26.9%	30.9	22.5	8.4	27.2%	99.8	93.9	0.5	6.0%	76	20	56	10	26.3%	50.0%	77	21	59	12	23.4%	42.9%
			UNKNOWN		W4/F00	31	22.6	8.4	27.1%									77	21	59	12	23.4%	42.9%						
	R2	RESIDENTIAL	UNKNOWN		W2/F00	30.3	22.4	7.9	26.1%	30.3	22.4	7.9	26.1%	99.6	95	0.5	4.6%	77	21	57	11	26.0%	47.6%	77	21	57	11	26.0%	47.6%
	R3	RESIDENTIAL	UNKNOWN		W3/F00	24.7	24.3	0.4	1.6%	24.7	24.3	0.4	1.6%	90.6	89.6	0.1	1.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	32.6	23.7	8.9	27.3%	32.6	23.7	8.9	27.3%	99.9	96.7	0.3	3.3%	79	23	60	12	24.1%	47.8%	79	23	60	12	24.1%	47.8%
13 CHESTERTON TERRACE (CONTINUED)																													
	R2	RESIDENTIAL	BEDROOM		W2/F01	32	23.7	8.3	25.9%	32	23.7	8.3	25.9%	99.7	95.4	0.5	4.3%	79	23	62	13	21.5%	43.5%	79	23	62	13	21.5%	43.5%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	23.7	23.1	0.6	2.5%	23.7	23.1	0.6	2.5%	91.8	90.5	0.1	1.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	25.2	24.6	0.6	2.4%	25.2	24.6	0.6	2.4%	96.6	95.9	0.1	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12 CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	31.7	22.5	9.2	29.0%	31.7	22.5	9.2	29.0%	99.8	95.4	0.5	4.4%	78	22	58	12	25.6%	45.5%	78	22	58	12	25.6%	45.5%
	R2	RESIDENTIAL	UNKNOWN		W2/F00	31.4	22.6	8.8	28.0%	31.3	22.6	8.7	27.8%	99.8	99.8	0.0	0.0%	77	21	58	11	24.7%	47.6%	78	22	59	12	24.4%	45.5%
			UNKNOWN		W3/F00	31.2	22.6	8.6	27.6%									78	22	59	12	24.4%	45.5%						
	R3	RESIDENTIAL	UNKNOWN		W4/F00	23.9	23.7	0.2	0.8%	23.9	23.7	0.2	0.8%	91.5	90.3	0.1	1.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM		W1/F01	33.3	23.5	9.8	29.4%	33.3	23.5	9.8	29.4%	99.7	95.5	0.5	4.2%	81	25	62	13	23.5%	48.0%	81	25	62	13	23.5%	48.0%
	R2	RESIDENTIAL	BEDROOM		W2/F01	32.9	23.7	9.2	28.0%	32.9	23.7	9.2	28.0%	99.9	99.9	0.0	0.0%	80	24	62	13	22.5%	45.8%	80	24	62	13	22.5%	45.8%
	R3	RESIDENTIAL	UNKNOWN		W3/F01	25.7	25.1	0.6	2.3%	25.7	25.1	0.6	2.3%	99.3	99.1	0.0	0.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R4	RESIDENTIAL	UNKNOWN		W4/F01	26	25.3	0.7	2.7%	26	25.3	0.7	2.7%	94.8	92.9	0.2	2.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-33 WESTWICK CHESTERTON TERRACE																													
F00	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F00	34.6	30.2	4.4	12.7%	34.6	30.2	4.4	12.7%	99.8	99.8	0.0	0.0%	83	27	77	21	7.2%	22.2%	83	27	77	21	7.2%	22.2%
	R4	RESIDENTIAL	BEDROOM	ASSUMED	W8/F00	34.6	30	4.6	13.3%	34.6	30	4.6	13.3%	99.9	99.9	0.0	0.0%	82	26	74	18	9.8%	30.8%	82	26	74	18	9.8%	30.8%
	R5	RESIDENTIAL	BEDROOM	ASSUMED	W9/F00	34.5	29.9	4.6	13.3%	34.5	29.9	4.6	13.3%	99.9	99.9	0.0	0.0%	82	26	74	18	9.8%	30.8%	82	26	74	18	9.8%	30.8%
	R8	RESIDENTIAL	BEDROOM	ASSUMED	W17/F00	34.2	29.6	4.6	13.5%	34.2	29.6	4.6	13.5%	99.8	99.8	0.0	0.0%	82	26	74	18	9.8%	30.8%	82	26	74	18	9.8%	30.8%
	R9	RESIDENTIAL	BEDROOM	ASSUMED	W18/F00	34.2	29.6	4.6	13.5%	34.2	29.6	4.6	13.5%	99.9	99.9	0.0	0.0%	81	26	73	18	9.9%	30.8%	81	26	73	18	9.9%	30.8%
	R12	RESIDENTIAL	BEDROOM	ASSUMED	W26/F00	33.8	29.6	4.2	12.4%	33.8	29.6	4.2	12.4%	99.9	99.9	0.0	0.0%	78	25	71	18	9.0%	28.0%	78	25	71	18	9.0%	28.0%
	R13	RESIDENTIAL	BEDROOM	ASSUMED	W27/F00	33.7	29.5	4.2	12.5%	33.7	29.5	4.2	12.5%	99.9	99.9	0.0	0.0%	79	25	72	18	8.9%	28.0%	79	25	72	18	8.9%	28.0%
	R16	RESIDENTIAL	BEDROOM	ASSUMED	W34/F00	33	29.1	3.9	11.8%	33	29.1	3.9	11.8%	99.9	99.9	0.0	0.0%	78	25	73	20	6.4%	20.0%	78	25	73	20	6.4%	20.0%
	R17	RESIDENTIAL	BEDROOM	ASSUMED	W35/F00	32.8	28.9	3.9	11.9%	32.8	28.9	3.9	11.9%	100	100	0.0	0.0%	78	25	73	20	6.4%	20.0%	78	25	73	20	6.4%	20.0%
	R20	RESIDENTIAL	BEDROOM	ASSUMED	W42/F00	31.2	27.6	3.6	11.5%	31.2	27.6	3.6	11.5%	99	99	0.0	0.0%	74	25	67	18	9.5%	28.0%	74	25	67	18	9.5%	28.0%
	R21	RESIDENTIAL	BEDROOM	ASSUMED	W43/F00	30.4	26.9	3.5	11.5%	30.4	26.9	3.5	11.5%	99	99	0.0	0.0%	69	23	62	16	10.1%	30.4%	69	23	62	16	10.1%	30.4%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F01	R2	RESIDENTIAL	LIVING ROOM	ASSUMED	W2/F01	8.4	3.8	4.6	54.8%	21.4	17.3	4.1	19.2%	99.9	99.9	0.0	0.0%	9	9	5	5	44.4%	44.4%	82	27	78	23	4.9%	14.8%
			LIVING ROOM		W3/F01	6.3	6	0.3	4.8%									22	12	20	10	9.1%	16.7%						
			LIVING ROOM		W4/F01	35.6	30.5	5.1	14.3%									82	27	78	23	4.9%	14.8%						
	R3	RESIDENTIAL	LIVING ROOM	ASSUMED	W5/F01	35.6	30.5	5.1	14.3%	21.5	17.2	4.3	20.0%	99.8	99.8	0.0	0.0%	81	26	75	20	7.4%	23.1%	81	26	75	20	7.4%	23.1%
			LIVING ROOM		W6/F01	6.6	5.7	0.9	13.6%									20	11	17	8	15.0%	27.3%						
			LIVING ROOM		W7/F01	8.6	3.7	4.9	57.0%									9	9	3	3	66.7%	66.7%						
1-33 WESTWICK CHESTERTON TERRACE (CONTINUED)																													
	R4	RESIDENTIAL	LIVING ROOM	ASSUMED	W8/F01	8.5	3.6	4.9	57.6%	21.4	17.1	4.3	20.1%	99.9	99.9	0.0	0.0%	9	9	3	3	66.7%	66.7%	81	26	74	19	8.6%	26.9%
			LIVING ROOM		W9/F01	6.8	6.1	0.7	10.3%									23	13	19	9	17.4%	30.8%						
			LIVING ROOM		W10/F01	35.4	30.2	5.2	14.7%									81	26	72	17	11.1%	34.6%						
	R5	RESIDENTIAL	LIVING ROOM	ASSUMED	W11/F01	35.3	30.1	5.2	14.7%	21.3	17	4.3	20.2%	99.8	99.8	0.0	0.0%	81	26	73	18	9.9%	30.8%	81	26	75	20	7.4%	23.1%
			LIVING ROOM		W12/F01	6.1	5.5	0.6	9.8%									21	11	16	7	4.8%	36.4%						
			LIVING ROOM		W13/F01	8.5	3.6	4.9	57.6%									9	9	3	3	66.7%	66.7%						
	R6	RESIDENTIAL	LIVING ROOM	ASSUMED	W14/F01	8.5	3.7	4.8	56.5%	21.2	17	4.2	19.8%	99.9	99.9	0.0	0.0%	9	9	3	3	66.7%	66.7%	81	26	74	19	8.6%	26.9%
			LIVING ROOM		W15/F01	6.8	5.8	1	14.7%									22	13	19	10	13.6%	23.1%						
			LIVING ROOM		W16/F01	35	30	5	14.3%									81	26	74	19	8.6%	26.9%						
	R7	RESIDENTIAL	LIVING ROOM	ASSUMED	W17/F01	34.9	30	4.9	14.0%	20.9	17	3.9	18.7%	99.8	99.8	0.0	0.0%	80	26	74	20	7.5%	23.1%	80	26	75	21	6.3%	19.2%
			LIVING ROOM		W18/F01	5.5	5.2	0.3	5.5%									21	11	16	7	4.8%	36.4%						
			LIVING ROOM		W19/F01	8.4	4	4.4	52.4%									9	9	5	5	44.4%	44.4%						
	R8	RESIDENTIAL	LIVING ROOM	ASSUMED	W20/F01	8.3	4	4.3	51.8%	20.9	17	3.9	18.7%	99.9	99.9	0.0	0.0%	9	9	5	5	44.4%	44.4%	80	27	76	23	5.0%	14.8%
			LIVING ROOM		W21/F01	6.8	5.6	1.2	17.6%									22	13	20	11	9.1%	15.4%						
			LIVING ROOM		W22/F01	34.5	29.9	4.6	13.3%									80	27	76	23	5.0%	14.8%						
	R9	RESIDENTIAL	LIVING ROOM	ASSUMED	W23/F01	34.3	29.8	4.5	13.1%	20.5	17	3.5	17.1%	99.8	99.8	0.0	0.0%	80	27	76	23	5.0%	14.8%	80	27	76	23	5.0%	14.8%
			LIVING ROOM		W24/F01	4.7	4.6	0.1	2.1%									20	11	15	7	4.8%	36.4%						
			LIVING ROOM		W25/F01	8.2	4.5	3.7	45.1%									9	9	6	6	33.3%	33.3%						
	R10	RESIDENTIAL	LIVING ROOM	ASSUMED	W26/F01	8.1	4.6	3.5	43.2%	20.4	16.9	3.5	17.2%	99.8	99.8	0.0	0.0%	9	9	6	6	33.3%	33.3%	80	27	76	23	5.0%	14.8%
			LIVING ROOM		W27/F01	6.8	5.4	1.4	20.6%									22	13	18	9	18.2%	30.8%						
			LIVING ROOM		W28/F01	33.5	29.4	4.1	12.2%									80	27	75	22	6.3%	18.5%						
	R11	RESIDENTIAL	LIVING ROOM	ASSUMED	W29/F01	33.1	29.1	4	12.1%	19.6	16.6	3	15.3%	99.8	99.8	0.0	0.0%	78	26	72	20	7.7%	23.1%	78	26	72	20	7.7%	23.1%
			LIVING ROOM		W30/F01	3.6	3.6	0	0.0%									20	11	15	7	4.8%	36.4%						
			LIVING ROOM		W31/F01	7.9	5	2.9	36.7%									9	9	6	6	33.3%	33.3%						
	R12	RESIDENTIAL	LIVING ROOM	ASSUMED	W32/F01	7.9	5	2.9	36.7%	19.1	15.9	3.2	16.8%	99.8	99.8	0.0	0.0%	9	9	6	6	33.3%	33.3%	71	24	65	18	8.5%	25.0%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			LIVING ROOM		W33/F01	6.9	5.1	1.8	26.1%									22	13	15	6	31.8%	53.8%						
			LIVING ROOM		W34/F01	31.1	27.2	3.9	12.5%									71	24	64	17	9.9%	29.2%						
	R13	RESIDENTIAL	BEDROOM	ASSUMED	W35/F01	18.5	16.2	2.3	12.4%	18.5	16.2	2.3	12.4%	87.7	87.7	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R14	RESIDENTIAL	BEDROOM	ASSUMED	W36/F01	18.9	16.4	2.5	13.2%	18.9	16.4	2.5	13.2%	96.1	96.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R15	RESIDENTIAL	BEDROOM	ASSUMED	W37/F01	19.7	17.1	2.6	13.2%	19.7	17.1	2.6	13.2%	96.7	95.9	0.1	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R16	RESIDENTIAL	BEDROOM	ASSUMED	W38/F01	20.9	17.5	3.4	16.3%	20.9	17.5	3.4	16.3%	93.9	87.8	0.6	6.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R17	RESIDENTIAL	BEDROOM	ASSUMED	W39/F01	22.1	18	4.1	18.6%	22.1	18	4.1	18.6%	91.9	82.3	0.9	10.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-33 WESTWICK CHESTERTON TERRACE (CONTINUED)																													
	R18	RESIDENTIAL	BEDROOM	ASSUMED	W40/F01	23.2	18.4	4.8	20.7%	23.2	18.4	4.8	20.7%	100	92.6	0.7	7.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R19	RESIDENTIAL	BEDROOM	ASSUMED	W41/F01	24.1	18.8	5.3	22.0%	24.1	18.8	5.3	22.0%	100	95	0.5	5.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R20	RESIDENTIAL	BEDROOM	ASSUMED	W42/F01	25.1	19.3	5.8	23.1%	25.1	19.3	5.8	23.1%	99.9	97.7	0.2	2.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R21	RESIDENTIAL	BEDROOM	ASSUMED	W43/F01	25.8	20	5.8	22.5%	25.8	20	5.8	22.5%	99.6	99.6	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R22	RESIDENTIAL	BEDROOM	ASSUMED	W44/F01	26.7	20.8	5.9	22.1%	26.7	20.8	5.9	22.1%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R23	RESIDENTIAL	BEDROOM	ASSUMED	W45/F01	27.6	21.5	6.1	22.1%	27.6	21.5	6.1	22.1%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R24	RESIDENTIAL	BEDROOM	ASSUMED	W46/F01	28.3	22	6.3	22.3%	28.3	22	6.3	22.3%	99.9	99.9	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R25	RESIDENTIAL	BEDROOM	ASSUMED	W47/F01	28.8	22.4	6.4	22.2%	28.8	22.4	6.4	22.2%	99.7	99.7	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R26	RESIDENTIAL	BEDROOM	ASSUMED	W48/F01	29.3	22.7	6.6	22.5%	29.3	22.7	6.6	22.5%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R27	RESIDENTIAL	BEDROOM	ASSUMED	W49/F01	29.6	23	6.6	22.3%	29.6	23	6.6	22.3%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R28	RESIDENTIAL	BEDROOM	ASSUMED	W50/F01	29.7	23.1	6.6	22.2%	29.7	23.1	6.6	22.2%	99.8	97	0.3	2.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R29	RESIDENTIAL	BEDROOM	ASSUMED	W51/F01	29.7	23.3	6.4	21.5%	29.7	23.3	6.4	21.5%	99.9	99.9	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R30	RESIDENTIAL	BEDROOM	ASSUMED	W52/F01	29.5	23.5	6	20.3%	29.5	23.5	6	20.3%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R31	RESIDENTIAL	BEDROOM	ASSUMED	W53/F01	28.9	23.7	5.2	18.0%	28.9	23.7	5.2	18.0%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R32	RESIDENTIAL	BEDROOM	ASSUMED	W54/F01	27.8	24	3.8	13.7%	27.8	24	3.8	13.7%	98.5	98.4	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R33	RESIDENTIAL	BEDROOM	ASSUMED	W55/F01	26.3	24.2	2.1	8.0%	26.3	24.2	2.1	8.0%	99.9	99.9	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R34	RESIDENTIAL	BEDROOM	ASSUMED	W56/F01	22.7	24.2	-1.5	-6.6%	22.7	24.2	-1.5	-6.6%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F02	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F02	36.8	31.7	5.1	13.9%	36.8	31.7	5.1	13.9%	99.8	99.8	0.0	0.0%	84	29	80	25	4.8%	13.8%	84	29	80	25	4.8%	13.8%
	R3	RESIDENTIAL	BEDROOM	ASSUMED	W3/F02	36.8	31.6	5.2	14.1%	36.8	31.6	5.2	14.1%	100	100	0.0	0.0%	84	29	81	26	3.6%	10.3%	84	29	81	26	3.6%	10.3%
	R4	RESIDENTIAL	BEDROOM	ASSUMED	W4/F02	36.8	31.5	5.3	14.4%	36.8	31.5	5.3	14.4%	99.9	99.9	0.0	0.0%	83	28	78	23	6.0%	17.9%	83	28	78	23	6.0%	17.9%
	R5	RESIDENTIAL	BEDROOM	ASSUMED	W5/F02	36.8	31.4	5.4	14.7%	36.8	31.4	5.4	14.7%	100	100	0.0	0.0%	83	28	77	22	7.2%	21.4%	83	28	77	22	7.2%	21.4%
	R6	RESIDENTIAL	BEDROOM	ASSUMED	W6/F02	36.7	31.4	5.3	14.4%	36.7	31.4	5.3	14.4%	99.8	99.8	0.0	0.0%	83	28	77	22	7.2%	21.4%	83	28	77	22	7.2%	21.4%
	R7	RESIDENTIAL	BEDROOM	ASSUMED	W7/F02	36.7	31.3	5.4	14.7%	36.7	31.3	5.4	14.7%	100	100	0.0	0.0%	83	28	75	20	9.6%	28.6%	83	28	75	20	9.6%	28.6%
	R8	RESIDENTIAL	BEDROOM	ASSUMED	W8/F02	36.6	31.2	5.4	14.8%	36.6	31.2	5.4	14.8%	100	100	0.0	0.0%	83	28	75	20	9.6%	28.6%	83	28	75	20	9.6%	28.6%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R9	RESIDENTIAL	BEDROOM	ASSUMED	W9/F02	36.5	31.2	5.3	14.5%	36.5	31.2	5.3	14.5%	99.9	99.9	0.0	0.0%	83	28	77	22	7.2%	21.4%	83	28	77	22	7.2%	21.4%
	R10	RESIDENTIAL	BEDROOM	ASSUMED	W10/F02	36.4	31.2	5.2	14.3%	36.4	31.2	5.2	14.3%	99.9	99.9	0.0	0.0%	83	28	77	22	7.2%	21.4%	83	28	77	22	7.2%	21.4%
	R11	RESIDENTIAL	BEDROOM	ASSUMED	W11/F02	36.3	31.2	5.1	14.0%	36.3	31.2	5.1	14.0%	100	100	0.0	0.0%	83	28	77	22	7.2%	21.4%	83	28	77	22	7.2%	21.4%
	R12	RESIDENTIAL	BEDROOM	ASSUMED	W12/F02	36.2	31.2	5	13.8%	36.2	31.2	5	13.8%	100	100	0.0	0.0%	83	28	78	23	6.0%	17.9%	83	28	78	23	6.0%	17.9%
	R13	RESIDENTIAL	BEDROOM	ASSUMED	W13/F02	36	31.3	4.7	13.1%	36	31.3	4.7	13.1%	99.8	99.8	0.0	0.0%	82	28	78	24	4.9%	14.3%	82	28	78	24	4.9%	14.3%
	R14	RESIDENTIAL	BEDROOM	ASSUMED	W14/F02	35.9	31.2	4.7	13.1%	35.9	31.2	4.7	13.1%	100	100	0.0	0.0%	82	28	78	24	4.9%	14.3%	82	28	78	24	4.9%	14.3%
	R15	RESIDENTIAL	BEDROOM	ASSUMED	W15/F02	35.7	31	4.7	13.2%	35.7	31	4.7	13.2%	99.8	99.8	0.0	0.0%	81	28	78	25	3.7%	10.7%	81	28	78	25	3.7%	10.7%
	R16	RESIDENTIAL	BEDROOM	ASSUMED	W16/F02	35.5	31	4.5	12.7%	35.5	31	4.5	12.7%	100	100	0.0	0.0%	80	27	76	23	5.0%	14.8%	80	27	76	23	5.0%	14.8%
1-33 WESTWICK CHESTERTON TERRACE (CONTINUED)																													
	R17	RESIDENTIAL	BEDROOM	ASSUMED	W17/F02	35.3	30.9	4.4	12.5%	35.3	30.9	4.4	12.5%	99.8	99.8	0.0	0.0%	80	27	76	23	5.0%	14.8%	80	27	76	23	5.0%	14.8%
	R18	RESIDENTIAL	BEDROOM	ASSUMED	W18/F02	35.1	30.8	4.3	12.3%	35.1	30.8	4.3	12.3%	99.8	99.8	0.0	0.0%	80	27	76	23	5.0%	14.8%	80	27	76	23	5.0%	14.8%
	R19	RESIDENTIAL	BEDROOM	ASSUMED	W19/F02	34.7	30.6	4.1	11.8%	34.7	30.6	4.1	11.8%	100	100	0.0	0.0%	80	27	76	23	5.0%	14.8%	80	27	76	23	5.0%	14.8%
	R20	RESIDENTIAL	BEDROOM	ASSUMED	W20/F02	34.4	30.4	4	11.6%	34.4	30.4	4	11.6%	100	100	0.0	0.0%	79	26	74	21	6.3%	19.2%	79	26	74	21	6.3%	19.2%
	R21	RESIDENTIAL	BEDROOM	ASSUMED	W21/F02	34.1	30.1	4	11.7%	34.1	30.1	4	11.7%	99.8	99.8	0.0	0.0%	78	26	73	21	6.4%	19.2%	78	26	73	21	6.4%	19.2%
	R22	RESIDENTIAL	BEDROOM	ASSUMED	W22/F02	33.8	29.9	3.9	11.5%	33.8	29.9	3.9	11.5%	99.8	99.8	0.0	0.0%	77	26	71	20	7.8%	23.1%	77	26	71	20	7.8%	23.1%
	R23	RESIDENTIAL	BEDROOM	ASSUMED	W23/F02	33.2	29.4	3.8	11.4%	33.2	29.4	3.8	11.4%	100	100	0.0	0.0%	76	25	69	18	9.2%	28.0%	76	25	69	18	9.2%	28.0%
	R26	RESIDENTIAL	KITCHEN (1)	ASSUMED	W27/F02	2	0.9	1.1	55.0%	2	0.9	1.1	55.0%	86.3	86.5	0.0	-0.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R27	RESIDENTIAL	KITCHEN (1)	ASSUMED	W28/F02	2.2	1.1	1.1	50.0%	2.2	1.1	1.1	50.0%	83.7	83.2	0.0	0.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R32	RESIDENTIAL	KITCHEN (1)	ASSUMED	W33/F02	3.5	1.4	2.1	60.0%	3.5	1.4	2.1	60.0%	99.5	90.3	0.8	9.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R33	RESIDENTIAL	KITCHEN (1)	ASSUMED	W34/F02	3.7	1.4	2.3	62.2%	3.7	1.4	2.3	62.2%	91.4	76.3	1.3	16.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R38	RESIDENTIAL	KITCHEN (1)	ASSUMED	W39/F02	4.5	2.1	2.4	53.3%	4.5	2.1	2.4	53.3%	99.6	99.5	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R39	RESIDENTIAL	KITCHEN (1)	ASSUMED	W40/F02	4.7	2.2	2.5	53.2%	4.7	2.2	2.5	53.2%	98.1	98.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R44	RESIDENTIAL	KITCHEN (1)	ASSUMED	W45/F02	5	2.5	2.5	50.0%	5	2.5	2.5	50.0%	99.7	99.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R45	RESIDENTIAL	KITCHEN (1)	ASSUMED	W46/F02	5	2.5	2.5	50.0%	5	2.5	2.5	50.0%	99.7	99.7	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R50	RESIDENTIAL	KITCHEN (1)	ASSUMED	W51/F02	4.7	2.5	2.2	46.8%	4.7	2.5	2.2	46.8%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R51	RESIDENTIAL	KITCHEN (1)	ASSUMED	W52/F02	4.5	2.6	1.9	42.2%	4.5	2.6	1.9	42.2%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R56	RESIDENTIAL	KITCHEN (1)	ASSUMED	W57/F02	3.3	1.3	2	60.6%	3.3	1.3	2	60.6%	95.5	91.7	0.3	4.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F03	R2	RESIDENTIAL	LIVING ROOM	ASSUMED	W2/F03	37.9	33.3	4.6	12.1%	35.5	31.1	4.4	12.4%	100	100	0.0	0.0%	85	30	81	26	4.7%	13.3%	85	30	82	27	3.5%	10.0%
			LIVING ROOM		W3/F03	34.4	29.7	4.7	13.7%									70	25	67	22	4.3%	12.0%						
			LIVING ROOM		W4/F03	27.2	24.3	2.9	10.7%									54	20	53	19	1.9%	5.0%						
	R3	RESIDENTIAL	LIVING ROOM	ASSUMED	W6/F03	34.3	29.5	4.8	14.0%	30.9	26.8	4.1	13.3%	80.6	80.2	0.1	0.4%	68	23	63	18	7.4%	21.7%	70	25	65	20	7.1%	20.0%
			LIVING ROOM		W7/F03	27.5	24.1	3.4	12.4%									54	20	51	17	5.6%	15.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R4	RESIDENTIAL	LIVING ROOM	ASSUMED	W10/F03	36.4	31.5	4.9	13.5%	36.4	31.5	4.9	13.5%	95.8	95.8	0.0	0.0%	79	26	73	20	7.6%	23.1%	79	26	73	20	7.6%	23.1%
	R5	RESIDENTIAL	LIVING ROOM	ASSUMED	W12/F03	34.9	30	4.9	14.0%	32.1	27.2	4.9	15.3%	80.1	80.1	0.0	0.0%	69	23	63	17	8.7%	26.1%	71	25	65	19	8.5%	24.0%
			LIVING ROOM		W13/F03	29.3	24.5	4.8	16.4%									58	21	52	15	10.3%	28.6%						
	R6	RESIDENTIAL	LIVING ROOM	ASSUMED	W16/F03	35.8	31.2	4.6	12.8%	35.8	31.2	4.6	12.8%	93.7	93.7	0.0	0.0%	78	26	73	21	6.4%	19.2%	78	26	73	21	6.4%	19.2%
	R7	RESIDENTIAL	LIVING ROOM	ASSUMED	W18/F03	34.7	30.3	4.4	12.7%	31.9	27.5	4.4	13.8%	75.9	75.9	0.0	0.0%	69	23	65	19	5.8%	17.4%	71	25	67	21	5.6%	16.0%
			LIVING ROOM		W19/F03	29	24.7	4.3	14.8%									58	21	54	17	6.9%	19.0%						
	R8	RESIDENTIAL	LIVING ROOM	ASSUMED	W22/F03	35.9	31.7	4.2	11.7%	35.9	31.7	4.2	11.7%	94.6	94.6	0.0	0.0%	78	26	75	23	3.8%	11.5%	78	26	75	23	3.8%	11.5%
	R9	RESIDENTIAL	LIVING ROOM	ASSUMED	W24/F03	33.9	29.9	4	11.8%	30.6	26.6	4	13.1%	68.1	68.1	0.0	0.0%	69	24	65	20	5.8%	16.7%	70	25	66	21	5.7%	16.0%
			LIVING ROOM		W25/F03	27.4	23.3	4.1	15.0%									54	20	50	16	7.4%	20.0%						
1-33 WESTWICK CHESTERTON TERRACE (CONTINUED)																													
	R10	RESIDENTIAL	LIVING ROOM	ASSUMED	W28/F03	35.2	31.4	3.8	10.8%	35.2	31.4	3.8	10.8%	94	94	0.0	0.0%	77	26	73	22	5.2%	15.4%	77	26	73	22	5.2%	15.4%
	R11	RESIDENTIAL	LIVING ROOM	ASSUMED	W30/F03	33.9	30.2	3.7	10.9%	31.2	27.5	3.7	11.9%	68.1	68.1	0.0	0.0%	69	23	64	18	7.2%	21.7%	71	25	66	20	7.0%	20.0%
			LIVING ROOM		W31/F03	28.5	24.8	3.7	13.0%									55	21	50	16	9.1%	23.8%						
	R12	RESIDENTIAL	LIVING ROOM	ASSUMED	W34/F03	34.4	30.8	3.6	10.5%	34.4	30.8	3.6	10.5%	94.7	94.7	0.0	0.0%	76	25	70	19	7.9%	24.0%	76	25	70	19	7.9%	24.0%
	R15	RESIDENTIAL	KITCHEN (1)	ASSUMED	W37/F03	2.8	1.3	1.5	53.6%	2.8	1.3	1.5	53.6%	89.8	89.8	0.0	-0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R16	RESIDENTIAL	KITCHEN (1)	ASSUMED	W38/F03	3.2	1.6	1.6	50.0%	3.2	1.6	1.6	50.0%	90	89.2	0.1	0.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R21	RESIDENTIAL	KITCHEN (1)	ASSUMED	W44/F03	4.6	1.7	2.9	63.0%	4.6	1.7	2.9	63.0%	89.2	74.4	1.3	16.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R22	RESIDENTIAL	KITCHEN (1)	ASSUMED	W45/F03	4.9	1.9	3	61.2%	4.9	1.9	3	61.2%	92.8	79.6	1.2	14.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R27	RESIDENTIAL	KITCHEN (1)	ASSUMED	W50/F03	5.9	2.6	3.3	55.9%	5.9	2.6	3.3	55.9%	97.6	97	0.1	0.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R28	RESIDENTIAL	KITCHEN (1)	ASSUMED	W51/F03	6.2	2.8	3.4	54.8%	6.2	2.8	3.4	54.8%	99.5	99.5	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R33	RESIDENTIAL	KITCHEN (1)	ASSUMED	W56/F03	6.7	3.2	3.5	52.2%	6.7	3.2	3.5	52.2%	99.8	99.7	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R34	RESIDENTIAL	KITCHEN (1)	ASSUMED	W57/F03	6.8	3.2	3.6	52.9%	6.8	3.2	3.6	52.9%	99.8	99.8	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R39	RESIDENTIAL	KITCHEN (1)	ASSUMED	W62/F03	6.7	3.3	3.4	50.7%	6.7	3.3	3.4	50.7%	98.5	97.9	0.0	0.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R40	RESIDENTIAL	KITCHEN (1)	ASSUMED	W63/F03	6.6	3.4	3.2	48.5%	6.6	3.4	3.2	48.5%	99.3	89.8	0.6	9.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R45	RESIDENTIAL	KITCHEN (1)	ASSUMED	W68/F03	4.8	1.7	3.1	64.6%	4.8	1.7	3.1	64.6%	99.3	91.8	0.6	7.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F04	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F04	38.6	34.3	4.3	11.1%	38.6	34.3	4.3	11.1%	100	100	0.0	0.0%	86	30	83	27	3.5%	10.0%	86	30	83	27	3.5%	10.0%
	R3	RESIDENTIAL	BEDROOM	ASSUMED	W3/F04	38.7	34.4	4.3	11.1%	38.7	34.4	4.3	11.1%	100	100	0.0	0.0%	85	29	82	26	3.5%	10.3%	85	29	82	26	3.5%	10.3%
	R4	RESIDENTIAL	BEDROOM	ASSUMED	W4/F04	38.7	34.3	4.4	11.4%	38.7	34.3	4.4	11.4%	100	100	0.0	0.0%	84	28	80	24	4.8%	14.3%	84	28	80	24	4.8%	14.3%
	R5	RESIDENTIAL	BEDROOM	ASSUMED	W5/F04	38.7	34.2	4.5	11.6%	38.7	34.2	4.5	11.6%	100	100	0.0	0.0%	84	28	80	24	4.8%	14.3%	84	28	80	24	4.8%	14.3%
	R6	RESIDENTIAL	BEDROOM	ASSUMED	W6/F04	38.6	34.1	4.5	11.7%	38.6	34.1	4.5	11.7%	100	100	0.0	0.0%	84	28	80	24	4.8%	14.3%	84	28	80	24	4.8%	14.3%
	R7	RESIDENTIAL	BEDROOM	ASSUMED	W7/F04	38.6	34.1	4.5	11.7%	38.6	34.1	4.5	11.7%	100	100	0.0	0.0%	84	28	79	23	6.0%	17.9%	84	28	79	23	6.0%	17.9%
	R8	RESIDENTIAL	BEDROOM	ASSUMED	W8/F04	38.5	34	4.5	11.7%	38.5	34	4.5	11.7%	100	100	0.0	0.0%	84	28	78	22	7.1%	21.4%	84	28	78	22	7.1%	21.4%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R9	RESIDENTIAL	BEDROOM	ASSUMED	W9/F04	38.4	34	4.4	11.5%	38.4	34	4.4	11.5%	99.9	99.9	0.0	0.0%	84	28	80	24	4.8%	14.3%	84	28	80	24	4.8%	14.3%
	R10	RESIDENTIAL	BEDROOM	ASSUMED	W10/F04	38.4	34	4.4	11.5%	38.4	34	4.4	11.5%	99.8	99.8	0.0	0.0%	84	28	80	24	4.8%	14.3%	84	28	80	24	4.8%	14.3%
	R11	RESIDENTIAL	BEDROOM	ASSUMED	W11/F04	38.3	34	4.3	11.2%	38.3	34	4.3	11.2%	100	100	0.0	0.0%	84	28	80	24	4.8%	14.3%	84	28	80	24	4.8%	14.3%
	R12	RESIDENTIAL	BEDROOM	ASSUMED	W12/F04	38.2	34	4.2	11.0%	38.2	34	4.2	11.0%	100	100	0.0	0.0%	85	28	81	24	4.7%	14.3%	85	28	81	24	4.7%	14.3%
	R13	RESIDENTIAL	BEDROOM	ASSUMED	W13/F04	38	34	4	10.5%	38	34	4	10.5%	99.9	99.9	0.0	0.0%	85	28	82	25	3.5%	10.7%	85	28	82	25	3.5%	10.7%
	R14	RESIDENTIAL	BEDROOM	ASSUMED	W14/F04	37.9	33.9	4	10.6%	37.9	33.9	4	10.6%	99.9	99.9	0.0	0.0%	85	28	82	25	3.5%	10.7%	85	28	82	25	3.5%	10.7%
	R15	RESIDENTIAL	BEDROOM	ASSUMED	W15/F04	37.8	33.8	4	10.6%	37.8	33.8	4	10.6%	100	100	0.0	0.0%	84	27	81	24	3.6%	11.1%	84	27	81	24	3.6%	11.1%
	R16	RESIDENTIAL	BEDROOM	ASSUMED	W16/F04	37.6	33.7	3.9	10.4%	37.6	33.7	3.9	10.4%	100	100	0.0	0.0%	82	27	78	23	4.9%	14.8%	82	27	78	23	4.9%	14.8%
	R17	RESIDENTIAL	BEDROOM	ASSUMED	W17/F04	37.4	33.6	3.8	10.2%	37.4	33.6	3.8	10.2%	99.7	99.7	0.0	0.0%	82	27	79	24	3.7%	11.1%	82	27	79	24	3.7%	11.1%
	R18	RESIDENTIAL	BEDROOM	ASSUMED	W18/F04	37.2	33.5	3.7	9.9%	37.2	33.5	3.7	9.9%	99.9	99.9	0.0	0.0%	82	27	80	25	2.4%	7.4%	82	27	80	25	2.4%	7.4%
1-33 WESTWICK CHESTERTON TERRACE (CONTINUED)																													
	R19	RESIDENTIAL	BEDROOM	ASSUMED	W19/F04	37	33.4	3.6	9.7%	37	33.4	3.6	9.7%	100	100	0.0	0.0%	82	27	78	23	4.9%	14.8%	82	27	78	23	4.9%	14.8%
	R20	RESIDENTIAL	BEDROOM	ASSUMED	W20/F04	36.7	33.2	3.5	9.5%	36.7	33.2	3.5	9.5%	100	100	0.0	0.0%	81	26	77	22	4.9%	15.4%	81	26	77	22	4.9%	15.4%
	R21	RESIDENTIAL	BEDROOM	ASSUMED	W21/F04	36.4	32.9	3.5	9.6%	36.4	32.9	3.5	9.6%	99.8	99.8	0.0	0.0%	81	26	77	22	4.9%	15.4%	81	26	77	22	4.9%	15.4%
	R22	RESIDENTIAL	BEDROOM	ASSUMED	W22/F04	36.1	32.7	3.4	9.4%	36.1	32.7	3.4	9.4%	99.9	99.9	0.0	0.0%	81	26	77	22	4.9%	15.4%	81	26	77	22	4.9%	15.4%
	R23	RESIDENTIAL	BEDROOM	ASSUMED	W23/F04	35.6	32.2	3.4	9.6%	35.6	32.2	3.4	9.6%	100	100	0.0	0.0%	77	26	73	22	5.2%	15.4%	77	26	73	22	5.2%	15.4%
	R24	RESIDENTIAL	BEDROOM	ASSUMED	W24/F04	21.4	19.2	2.2	10.3%	21.4	19.2	2.2	10.3%	94.2	94.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R25	RESIDENTIAL	BEDROOM	ASSUMED	W25/F04	21.6	19.3	2.3	10.6%	21.6	19.3	2.3	10.6%	83.3	83.4	0.0	-0.1%												
	R26	RESIDENTIAL	BEDROOM	ASSUMED	W26/F04	22.2	19.8	2.4	10.8%	22.2	19.8	2.4	10.8%	83.3	81.5	0.2	2.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R27	RESIDENTIAL	BEDROOM	ASSUMED	W27/F04	23.4	20.3	3.1	13.2%	23.4	20.3	3.1	13.2%	96	90.3	0.6	5.9%												
	R28	RESIDENTIAL	BEDROOM	ASSUMED	W28/F04	24.9	20.9	4	16.1%	24.9	20.9	4	16.1%	100	91.6	0.9	8.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R29	RESIDENTIAL	BEDROOM	ASSUMED	W29/F04	26	21.4	4.6	17.7%	26	21.4	4.6	17.7%	99.9	92.2	0.8	7.7%												
	R30	RESIDENTIAL	BEDROOM	ASSUMED	W30/F04	26.7	21.8	4.9	18.4%	26.7	21.8	4.9	18.4%	96.6	82.8	1.6	14.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R31	RESIDENTIAL	BEDROOM	ASSUMED	W31/F04	27.8	22.5	5.3	19.1%	27.8	22.5	5.3	19.1%	100	98.1	0.2	1.9%												
	R32	RESIDENTIAL	BEDROOM	ASSUMED	W32/F04	28.9	23.4	5.5	19.0%	28.9	23.4	5.5	19.0%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R33	RESIDENTIAL	BEDROOM	ASSUMED	W33/F04	29.9	24.2	5.7	19.1%	29.9	24.2	5.7	19.1%	99.9	99.9	0.0	0.0%												
	R34	RESIDENTIAL	BEDROOM	ASSUMED	W34/F04	30.6	24.8	5.8	19.0%	30.6	24.8	5.8	19.0%	99.9	99.9	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R35	RESIDENTIAL	BEDROOM	ASSUMED	W35/F04	31.5	25.4	6.1	19.4%	31.5	25.4	6.1	19.4%	100	100	0.0	0.0%												
	R36	RESIDENTIAL	BEDROOM	ASSUMED	W36/F04	32.3	25.9	6.4	19.8%	32.3	25.9	6.4	19.8%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R37	RESIDENTIAL	BEDROOM	ASSUMED	W37/F04	32.9	26.3	6.6	20.1%	32.9	26.3	6.6	20.1%	100	100	0.0	0.0%												
	R38	RESIDENTIAL	BEDROOM	ASSUMED	W38/F04	33.3	26.5	6.8	20.4%	33.3	26.5	6.8	20.4%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R39	RESIDENTIAL	BEDROOM	ASSUMED	W39/F04	33.8	26.8	7	20.7%	33.8	26.8	7	20.7%	100	100	0.0	0.0%												

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R40	RESIDENTIAL	BEDROOM	ASSUMED	W40/F04	34.2	27.1	7.1	20.8%	34.2	27.1	7.1	20.8%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R41	RESIDENTIAL	BEDROOM	ASSUMED	W41/F04	34.5	27.3	7.2	20.9%	34.5	27.3	7.2	20.9%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R42	RESIDENTIAL	BEDROOM	ASSUMED	W42/F04	34.6	27.4	7.2	20.8%	34.6	27.4	7.2	20.8%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R43	RESIDENTIAL	BEDROOM	ASSUMED	W43/F04	34.8	27.6	7.2	20.7%	34.8	27.6	7.2	20.7%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R44	RESIDENTIAL	BEDROOM	ASSUMED	W44/F04	34.9	27.9	7	20.1%	34.9	27.9	7	20.1%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R45	RESIDENTIAL	BEDROOM	ASSUMED	W45/F04	34.9	27.8	7.1	20.3%	34.9	27.8	7.1	20.3%	99.9	96.7	0.3	3.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1 FRANKLIN CLOSE																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	28.7	27.1	1.6	5.6%	28.7	27.1	1.6	5.6%	97.7	97.7	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	35.3	31.8	3.5	9.9%	35.3	31.8	3.5	9.9%	99.7	99.6	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2 FRANKLIN CLOSE																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W5/F00	22.9	20.1	2.8	12.2%	22.9	20.1	2.8	12.2%	92.8	77.5	2.4	16.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	34	30.4	3.6	10.6%	34	30.4	3.6	10.6%	99.6	98.6	0.1	1.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3 FRANKLIN CLOSE																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	27.9	26.3	1.6	5.7%	27.9	26.3	1.6	5.7%	97	94	0.5	3.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	34.9	30.9	4	11.5%	34.9	30.9	4	11.5%	99.7	93.3	0.6	6.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4 FRANKLIN CLOSE																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W5/F00	23.6	19.9	3.7	15.7%	23.6	19.9	3.7	15.7%	90.8	85.5	0.8	5.8%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	33.9	29.6	4.3	12.7%	33.9	29.6	4.3	12.7%	99.2	97.9	0.1	1.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5 FRANKLIN CLOSE																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	27.5	24.9	2.6	9.5%	27.5	24.9	2.6	9.5%	94.3	93.9	0.1	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	34.8	29.9	4.9	14.1%	34.8	29.9	4.9	14.1%	99.6	97.6	0.2	2.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6 FRANKLIN CLOSE																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W5/F00	28.9	23.2	5.7	19.7%	28.9	23.2	5.7	19.7%	96.8	91.4	0.7	5.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35	29.5	5.5	15.7%	35	29.5	5.5	15.7%	99.4	98	0.1	1.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7 FRANKLIN CLOSE																													

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	21.9	18.6	3.3	15.1%	21.9	18.6	3.3	15.1%	92.3	91.9	0.1	0.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	30	24.7	5.3	17.7%	30	24.7	5.3	17.7%	99.6	98.3	0.1	1.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8 FRANKLIN CLOSE																													
F00	R3	RESIDENTIAL	KITCHEN	ASSUMED	W6/F00	28.1	23.2	4.9	17.4%	28.1	23.2	4.9	17.4%	96.7	83	2.1	14.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	34.7	29.3	5.4	15.6%	34.7	29.3	5.4	15.6%	98.9	94	0.5	4.9%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9 FRANKLIN CLOSE																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	27.9	24.5	3.4	12.2%	27.9	24.5	3.4	12.2%	94.9	87.9	1.1	7.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	34.9	29.2	5.7	16.3%	34.9	29.2	5.7	16.3%	99.4	95.7	0.4	3.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
23 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W6/F00	32.9	28.8	4.1	12.5%	32.9	28.8	4.1	12.5%	97.1	87.4	1.4	10.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35.4	31	4.4	12.4%	35.4	31	4.4	12.4%	99.6	99.6	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25 WILLINGHAM WAY																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	32.9	30	2.9	8.8%	32.9	30	2.9	8.8%	97.2	97.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	35.5	31.7	3.8	10.7%	35.5	31.7	3.8	10.7%	99.6	99.6	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
27 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W6/F00	32.8	29.3	3.5	10.7%	32.8	29.3	3.5	10.7%	97.2	93.3	0.6	4.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35.6	32	3.6	10.1%	35.6	32	3.6	10.1%	99.6	99.6	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29 WILLINGHAM WAY																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	31.6	30.2	1.4	4.4%	31.6	30.2	1.4	4.4%	97.1	97.1	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	35.3	32.3	3	8.5%	35.3	32.3	3	8.5%	99.4	99.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
21 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W3/F00	29	27.1	1.9	6.6%	29	27.1	1.9	6.6%	97.2	97	0.0	0.2%	43	11	43	13	0.0%	-18.2%	43	11	43	13	0.0%	-18.2%
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35.5	30.1	5.4	15.2%	35.5	30.1	5.4	15.2%	98.4	98.4	0.0	0.0%	48	14	45	15	6.3%	-7.1%	48	14	45	15	6.3%	-7.1%
19 WILLINGHAM WAY																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	27.7	21.2	6.5	23.5%	27.7	21.2	6.5	23.5%	97.3	68.9	4.5	29.2%	27	0	23	0	14.8%	0.0%	27	0	23	0	14.8%	0.0%
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	35.4	28.8	6.6	18.6%	35.4	28.8	6.6	18.6%	98.4	87.1	1.2	11.5%	47	14	42	15	10.6%	-7.1%	47	14	42	15	10.6%	-7.1%
17 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W5/F00	27.6	24.1	3.5	12.7%	27.6	24.1	3.5	12.7%	97.4	83.4	2.2	14.4%	44	12	40	13	9.1%	-8.3%	44	12	40	13	9.1%	-8.3%
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35.4	28.2	7.2	20.3%	35.4	28.2	7.2	20.3%	98.4	80.7	1.9	18.0%	47	14	42	15	10.6%	-7.1%	47	14	42	15	10.6%	-7.1%
15 WILLINGHAM WAY																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	22.6	14.3	8.3	36.7%	22.6	14.3	8.3	36.7%	93.4	47.8	7.8	48.9%	22	0	15	0	31.8%	0.0%	22	0	15	0	31.8%	0.0%
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	34.2	25.7	8.5	24.9%	34.2	25.7	8.5	24.9%	98.2	76	2.6	22.6%	46	13	40	15	13.0%	-15.4%	46	13	40	15	13.0%	-15.4%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX. ANNUAL	EX. WINTER	PR. ANNUAL	PR. WINTER	LOSS % ANNUAL	LOSS % WINTER	EX. ANNUAL	EX. WINTER	PR. ANNUAL	PR. WINTER	LOSS % ANNUAL	LOSS % WINTER
13 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W4/F00	26.7	20.4	6.3	23.6%	26.7	20.4	6.3	23.6%	96.7	71.4	3.7	26.2%	38	8	32	8	15.8%	0.0%	38	8	32	8	15.8%	0.0%
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35	25.3	9.7	27.7%	35	25.3	9.7	27.7%	98.4	62.4	3.3	36.5%	45	13	37	13	17.8%	0.0%	45	13	37	13	17.8%	0.0%
11 WILLINGHAM WAY																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	28	17.7	10.3	36.8%	28	17.7	10.3	36.8%	96.3	41.6	8.6	56.8%	29	0	18	0	37.9%	0.0%	29	0	18	0	37.9%	0.0%
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	35.2	24.2	11	31.3%	35.2	24.2	11	31.3%	98.4	53.4	4.8	45.7%	47	13	35	13	25.5%	0.0%	47	13	35	13	25.5%	0.0%
9 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W2/F00	27.9	19.6	8.3	29.7%	27.9	19.6	8.3	29.7%	97.2	54.1	6.9	44.3%	43	11	33	11	23.3%	0.0%	43	11	33	11	23.3%	0.0%
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35.3	23.9	11.4	32.3%	35.3	23.9	11.4	32.3%	98.4	51.6	5.2	47.6%	47	13	35	13	25.5%	0.0%	47	13	35	13	25.5%	0.0%
7 WILLINGHAM WAY																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	28	17.3	10.7	38.2%	28	17.3	10.7	38.2%	97.3	44.2	8.2	54.5%	28	0	17	0	39.3%	0.0%	28	0	17	0	39.3%	0.0%
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	35.4	23.3	12.1	34.2%	35.4	23.3	12.1	34.2%	98.4	49.9	4.9	49.3%	48	13	34	12	29.2%	7.7%	48	13	34	12	29.2%	7.7%
5 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W4/F00	27.5	17.9	9.6	34.9%	27.5	17.9	9.6	34.9%	97.4	43.5	8.4	55.3%	44	11	31	10	29.5%	9.1%	44	11	31	10	29.5%	9.1%
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	35.4	23.1	12.3	34.7%	35.4	23.1	12.3	34.7%	98.4	50.1	5.0	49.1%	48	13	33	11	31.3%	15.4%	48	13	33	11	31.3%	15.4%
3 WILLINGHAM WAY																													
F00	R1	RESIDENTIAL	KITCHEN	ASSUMED	W1/F00	27.6	17	10.6	38.4%	27.6	17	10.6	38.4%	95.5	51.9	6.8	45.7%	30	0	17	0	43.3%	0.0%	30	0	17	0	43.3%	0.0%
F01	R1	RESIDENTIAL	BEDROOM	ASSUMED	W1/F01	34.6	22.2	12.4	35.8%	34.6	22.2	12.4	35.8%	98.3	50.9	4.9	48.2%	48	13	33	10	31.3%	23.1%	48	13	33	10	31.3%	23.1%
1 WILLINGHAM WAY																													
F00	R2	RESIDENTIAL	KITCHEN	ASSUMED	W4/F00	29.3	18.1	11.2	38.2%	29.3	18.1	11.2	38.2%	97.4	42.8	8.7	56.0%	46	13	30	9	34.8%	30.8%	46	13	30	9	34.8%	30.8%
F01	R2	RESIDENTIAL	BEDROOM	ASSUMED	W2/F01	33.7	21.4	12.3	36.5%	33.7	21.4	12.3	36.5%	98.4	56	4.5	43.1%	48	13	32	9	33.3%	30.8%	48	13	32	9	33.3%	30.8%
MADINGLEY																													
F01	R1	RESIDENTIAL	LIVING ROOM		W1/F01	12.2	12.2	0	0.0%	16.7	15.8	0.9	5.4%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F01	5.3	5.7	-0.4	-7.5%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F01	26.3	26.3	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			LIVING ROOM		W17/F01	29.2	21.2	8	27.4%																				
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F01	29.7	29.5	0.2	0.7%	22.7	19.7	3	13.2%	99.9	99.8	0.0	0.1%	76	19	76	19	0.0%	0.0%	85	20	81	19	4.7%	5.0%
			LIVING ROOM		W5/F01	18.1	14.9	3.2	17.7%									32	11	29	11	9.4%	0.0%						
			LIVING ROOM		W6/F01	9.9	9.7	0.2	2.0%									29	13	29	13	0.0%	0.0%						
			LIVING ROOM		W7/F01	35.2	29.2	6	17.0%									47	12	42	11	10.6%	8.3%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F01	35.3	28.7	6.6	18.7%	35.3	28.7	6.6	18.7%	98.5	98.5	0.0	0.0%	48	13	42	12	12.5%	7.7%	48	13	42	12	12.5%	7.7%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F01	35.5	27.9	7.6	21.4%	35.5	27.9	7.6	21.4%	99.7	87	1.1	12.8%	48	13	39	12	18.8%	7.7%	48	13	39	12	18.8%	7.7%
	R5	RESIDENTIAL	LIVING ROOM		W10/F01	35.5	27.3	8.2	23.1%	24.4	16	8.4	34.4%	99.9	99.9	0.0	0.0%	47	12	39	12	17.0%	0.0%	47	12	40	12	14.9%	0.0%
			LIVING ROOM		W11/F01	12.5	4.9	7.6	60.8%																				
			LIVING ROOM		W12/F01	19.6	11.3	8.3	42.3%									18	1	12	2	33.3%	-100.0%						
			LIVING ROOM		W13/F01	32.9	22.3	10.6	32.2%																				
	R6	RESIDENTIAL	BEDROOM		W14/F01	32.2	22.7	9.5	29.5%	32.2	22.7	9.5	29.5%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F01	30.5	21.8	8.7	28.5%	30.5	21.8	8.7	28.5%	98.2	96.5	0.2	1.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F02	R1	RESIDENTIAL	LIVING ROOM		W1/F02	13.7	13.7	0	0.0%	18.2	17.3	0.9	4.9%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F02	6.3	6.6	-0.3	-4.8%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F02	28.1	28.1	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F02	31	22.8	8.2	26.5%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	RESIDENTIAL	LIVING ROOM		W4/F02	32.5	31.8	0.7	2.2%	24.4	21.1	3.3	13.5%	99.9	99.9	0.0	0.0%	81	24	80	23	1.2%	4.2%	90	25	86	24	4.4%	4.0%
			LIVING ROOM		W5/F02	19.5	16.1	3.4	17.4%									34	13	30	12	11.8%	7.7%						
			LIVING ROOM		W6/F02	11.7	11	0.7	6.0%									32	16	31	15	3.1%	6.3%						
			LIVING ROOM		W7/F02	36.7	30.5	6.2	16.9%									49	14	44	13	10.2%	7.1%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F02	36.8	30.1	6.7	18.2%	36.8	30.1	6.7	18.2%	98.5	98.5	0.0	0.0%	49	14	43	13	12.2%	7.1%	49	14	43	13	12.2%	7.1%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F02	36.8	29.2	7.6	20.7%	36.8	29.2	7.6	20.7%	99.7	89.4	0.9	10.4%	50	15	42	14	16.0%	6.7%	50	15	42	14	16.0%	6.7%
	R5	RESIDENTIAL	LIVING ROOM		W10/F02	36.9	28.6	8.3	22.5%	25.6	17.1	8.5	33.2%	99.9	99.9	0.0	0.0%	49	14	42	14	14.3%	0.0%	50	14	44	14	12.0%	0.0%
			LIVING ROOM		W11/F02	13.2	5.4	7.8	59.1%																				
			LIVING ROOM		W12/F02	20.6	12.3	8.3	40.3%									19	2	14	3	26.3%	-50.0%						
			LIVING ROOM		W13/F02	34.3	23.6	10.7	31.2%																				
	R6	RESIDENTIAL	BEDROOM		W14/F02	33.7	24	9.7	28.8%	33.7	24	9.7	28.8%	98.3	98.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F02	32.2	23.4	8.8	27.3%	32.2	23.4	8.8	27.3%	98.2	96.6	0.2	1.6%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F03	R1	RESIDENTIAL	LIVING ROOM		W1/F03	15.4	15.4	0	0.0%	19.9	18.9	1	5.0%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F03	7.5	7.7	-0.2	-2.7%									N/A	N/A	N/A	N/A	N/A	N/A						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			LIVING ROOM		W3/F03	30	30	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F03	32.8	24.6	8.2	25.0%									N/A	N/A	N/A	N/A	N/A	N/A						
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F03	35	33.8	1.2	3.4%	26	22.4	3.6	13.8%	99.9	99.9	0.0	0.0%	84	27	83	26	1.2%	3.7%	92	27	88	26	4.3%	3.7%
			LIVING ROOM		W5/F03	20.8	17.2	3.6	17.3%									36	15	32	14	11.1%	6.7%						
			LIVING ROOM		W6/F03	13.4	12.2	1.2	9.0%									34	18	33	17	2.9%	5.6%						
			LIVING ROOM		W7/F03	38.1	31.8	6.3	16.5%									50	15	45	14	10.0%	6.7%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F03	38.1	31.3	6.8	17.8%	38.1	31.3	6.8	17.8%	98.5	98.5	0.0	0.0%	50	15	45	15	10.0%	0.0%	50	15	45	15	10.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F03	38.1	30.5	7.6	19.9%	38.1	30.5	7.6	19.9%	99.7	92.1	0.7	7.7%	50	15	43	15	14.0%	0.0%	50	15	43	15	14.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F03	38.2	29.9	8.3	21.7%	26.6	18	8.6	32.3%	99.9	99.9	0.0	0.0%	50	15	43	15	14.0%	0.0%	53	15	48	15	9.4%	0.0%
			LIVING ROOM		W11/F03	13.9	5.7	8.2	59.0%									8	0	1	0	87.5%	0.0%						
			LIVING ROOM		W12/F03	21.5	13.2	8.3	38.6%									20	3	14	3	30.0%	0.0%						
			LIVING ROOM		W13/F03	35.7	24.9	10.8	30.3%									16	0	4	0	68.0%	0.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F03	35.2	25.4	9.8	27.8%	35.2	25.4	9.8	27.8%	98.3	98.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F03	33.8	25	8.8	26.0%	33.8	25	8.8	26.0%	98.2	96.7	0.2	1.5%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F04	R1	RESIDENTIAL	LIVING ROOM		W1/F04	17.1	17.1	0	0.0%	21.7	20.7	1	4.6%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F04	9.1	9.2	-0.1	-1.1%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F04	31.9	31.9	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F04	34.7	26.5	8.2	23.6%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	RESIDENTIAL	LIVING ROOM		W4/F04	37.2	35.4	1.8	4.8%	27.3	23.6	3.7	13.6%	99.9	99.9	0.0	0.0%	85	28	85	28	0.0%	0.0%	93	28	90	28	3.2%	0.0%
			LIVING ROOM		W5/F04	22	18.3	3.7	16.8%									36	15	33	15	8.3%	0.0%						
			LIVING ROOM		W6/F04	14.8	13.2	1.6	10.8%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F04	39.3	33	6.3	16.0%									50	15	46	15	8.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F04	39.3	32.5	6.8	17.3%	39.3	32.5	6.8	17.3%	98.5	98.5	0.0	0.0%	50	15	45	15	10.0%	0.0%	50	15	45	15	10.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F04	39.3	31.7	7.6	19.3%	39.3	31.7	7.6	19.3%	99.7	95.5	0.4	4.2%	50	15	44	15	12.0%	0.0%	50	15	44	15	12.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F04	39.3	31.1	8.2	20.9%	27.5	19	8.5	30.9%	99.9	99.9	0.0	0.0%	50	15	44	15	12.0%	0.0%	53	15	48	15	9.4%	0.0%
			LIVING ROOM		W11/F04	14.5	6.1	8.4	57.9%									8	0	2	0	75.0%	0.0%						
			LIVING ROOM		W12/F04	22.4	14.2	8.2	36.6%									20	3	15	3	25.0%	0.0%						
			LIVING ROOM		W13/F04	37	26.2	10.8	29.2%									16	0	4	0	68.0%	0.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F04	36.6	26.8	9.8	26.8%	36.6	26.8	9.8	26.8%	98.3	98.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F04	35.5	26.7	8.8	24.8%	35.5	26.7	8.8	24.8%	98.2	96.9	0.2	1.4%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F05	R1	RESIDENTIAL	LIVING ROOM		W1/F05	18.8	18.8	0	0.0%	23.4	22.4	1	4.3%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			LIVING ROOM		W2/F05	10.7	10.8	-0.1	-0.9%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F05	33.7	33.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F05	36.4	28.5	7.9	21.7%									N/A	N/A	N/A	N/A	N/A	N/A						
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F05	37.7	36.1	1.6	4.2%	27.7	24.2	3.5	12.6%	99.9	99.9	0.0	0.0%	85	28	85	28	0.0%	0.0%	93	28	90	28	3.2%	0.0%
			LIVING ROOM		W5/F05	22.4	18.9	3.5	15.6%									36	15	33	15	8.3%	0.0%						
			LIVING ROOM		W6/F05	15.2	13.6	1.6	10.5%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F05	39.6	33.8	5.8	14.6%									50	15	46	15	8.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F05	39.6	33.3	6.3	15.9%	39.6	33.3	6.3	15.9%	98.5	98.5	0.0	0.0%	50	15	45	15	10.0%	0.0%	50	15	45	15	10.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F05	39.6	32.6	7	17.7%	39.6	32.6	7	17.7%	99.7	99.4	0.0	0.3%	50	15	44	15	12.0%	0.0%	50	15	44	15	12.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F05	39.6	32.1	7.5	18.9%	28	19.8	8.2	29.3%	99.9	99.9	0.0	0.0%	50	15	44	15	12.0%	0.0%	54	15	50	15	7.4%	0.0%
			LIVING ROOM		W11/F05	14.9	6.4	8.5	57.0%									8	0	5	0	100.0%	100.0%						
			LIVING ROOM		W12/F05	22.8	15.1	7.7	33.8%									20	3	15	3	25.0%	0.0%						
			LIVING ROOM		W13/F05	38	27.6	10.4	27.4%									11	0	5	0	100.0%	100.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F05	37.7	28.2	9.5	25.2%	37.7	28.2	9.5	25.2%	98.4	98.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F05	37	28.5	8.5	23.0%	37	28.5	8.5	23.0%	98.2	96.9	0.2	1.3%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F06	R1	RESIDENTIAL	LIVING ROOM		W1/F06	20.5	20.5	0	0.0%	25	24.1	0.9	3.6%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F06	12.3	12.3	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F06	35.4	35.4	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F06	37.7	30.5	7.2	19.1%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	RESIDENTIAL	LIVING ROOM		W4/F06	37.9	36.6	1.3	3.4%	27.8	24.7	3.1	11.2%	99.9	99.9	0.0	0.0%	85	28	85	28	0.0%	0.0%	93	28	91	28	2.2%	0.0%
			LIVING ROOM		W5/F06	22.4	19.5	2.9	12.9%									36	15	34	15	5.6%	0.0%						
			LIVING ROOM		W6/F06	15.2	13.8	1.4	9.2%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F06	39.6	34.5	5.1	12.9%									50	15	48	15	4.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F06	39.6	34.2	5.4	13.6%	39.6	34.2	5.4	13.6%	98.5	98.5	0.0	0.0%	50	15	46	15	8.0%	0.0%	50	15	46	15	8.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F06	39.6	33.5	6.1	15.4%	39.6	33.5	6.1	15.4%	99.7	99.4	0.0	0.3%	50	15	45	15	10.0%	0.0%	50	15	45	15	10.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F06	39.6	33	6.6	16.7%	28.1	20.7	7.4	26.3%	99.9	99.9	0.0	0.0%	50	15	45	15	10.0%	0.0%	54	15	51	15	5.6%	0.0%
			LIVING ROOM		W11/F06	14.9	6.7	8.2	55.0%									8	0	5	0	100.0%	100.0%						
			LIVING ROOM		W12/F06	22.8	16	6.8	29.8%									20	3	16	3	20.0%	0.0%						
			LIVING ROOM		W13/F06	38.6	29	9.6	24.9%									11	0	5	0	100.0%	100.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F06	38.5	29.7	8.8	22.9%	38.5	29.7	8.8	22.9%	98.4	98.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F06	38.1	30.2	7.9	20.7%	38.1	30.2	7.9	20.7%	98.2	97	0.1	1.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
F07	R1	RESIDENTIAL	LIVING ROOM		W1/F07	22	22	0	0.0%	26.4	25.6	0.8	3.0%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F07	13.6	13.6	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F07	36.8	36.8	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F07	38.8	32.4	6.4	16.5%									N/A	N/A	N/A	N/A	N/A	N/A						
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F07	38.1	36.9	1.2	3.1%	27.8	25.2	2.6	9.4%	99.9	99.9	0.0	0.0%	86	29	86	29	0.0%	0.0%	94	29	92	29	2.1%	0.0%
			LIVING ROOM		W5/F07	22.4	20	2.4	10.7%									36	15	34	15	5.6%	0.0%						
			LIVING ROOM		W6/F07	15.2	14.1	1.1	7.2%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F07	39.6	35.3	4.3	10.9%									50	15	48	15	4.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F07	39.6	35	4.6	11.6%	39.6	35	4.6	11.6%	98.5	98.5	0.0	0.0%	50	15	47	15	6.0%	0.0%	50	15	47	15	6.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F07	39.6	34.4	5.2	13.1%	39.6	34.4	5.2	13.1%	99.7	99.5	0.0	0.2%	50	15	46	15	8.0%	0.0%	50	15	46	15	8.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F07	39.6	34	5.6	14.1%	28.1	21.6	6.5	23.1%	99.9	99.9	0.0	0.0%	50	15	46	15	8.0%	0.0%	55	15	53	15	3.6%	0.0%
			LIVING ROOM		W11/F07	14.9	7.1	7.8	52.3%									BE	BE	BE	BE	66.0%	0.0%						
			LIVING ROOM		W12/F07	22.8	16.9	5.9	25.9%									20	3	17	3	15.0%	0.0%						
			LIVING ROOM		W13/F07	39.1	30.3	8.8	22.5%									BE	BE	BE	BE	66.0%	0.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F07	39	31.1	7.9	20.3%	39	31.1	7.9	20.3%	98.4	98.3	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F07	39	31.9	7.1	18.2%	39	31.9	7.1	18.2%	98.2	97.5	0.1	0.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F08	R1	RESIDENTIAL	LIVING ROOM		W1/F08	23	23	0	0.0%	27.3	26.6	0.7	2.6%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F08	14.4	14.4	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F08	37.7	37.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F08	39.4	33.6	5.8	14.7%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	RESIDENTIAL	LIVING ROOM		W4/F08	38.3	37.3	1	2.6%	27.8	25.7	2.1	7.6%	99.9	99.9	0.0	0.0%	86	29	86	29	0.0%	0.0%	94	29	93	29	1.1%	0.0%
			LIVING ROOM		W5/F08	22.4	20.5	1.9	8.5%									36	15	35	15	2.8%	0.0%						
			LIVING ROOM		W6/F08	15.2	14.2	1	6.6%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F08	39.6	36	3.6	9.1%									50	15	49	15	2.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F08	39.6	35.8	3.8	9.6%	39.6	35.8	3.8	9.6%	98.5	98.5	0.0	0.0%	50	15	49	15	2.0%	0.0%	50	15	49	15	2.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F08	39.6	35.3	4.3	10.9%	39.6	35.3	4.3	10.9%	99.7	99.6	0.0	0.2%	50	15	48	15	4.0%	0.0%	50	15	48	15	4.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F08	39.6	34.9	4.7	11.9%	28.1	22.4	5.7	20.3%	99.9	99.9	0.0	0.0%	50	15	48	15	4.0%	0.0%	55	15	54	15	1.8%	0.0%
			LIVING ROOM		W11/F08	14.9	7.4	7.5	50.3%									BE	BE	BE	BE	66.0%	0.0%						
			LIVING ROOM		W12/F08	22.8	17.9	4.9	21.5%									20	3	19	3	5.0%	0.0%						
			LIVING ROOM		W13/F08	39.3	31.5	7.8	19.8%									BE	BE	BE	BE	66.7%	0.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F08	39.3	32.2	7.1	18.1%	39.3	32.2	7.1	18.1%	98.4	98.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R8	RESIDENTIAL	BEDROOM		W16/F08	39.4	33.1	6.3	16.0%	39.4	33.1	6.3	16.0%	98.2	98.1	0.0	0.1%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F09	R1	RESIDENTIAL	LIVING ROOM		W1/F09	23.6	23.6	0	0.0%	27.7	27.1	0.6	2.2%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F09	14.7	14.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F09	38.2	38.2	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F09	39.5	34.6	4.9	12.4%									N/A	N/A	N/A	N/A	N/A	N/A						
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F09	38.4	37.6	0.8	2.1%	27.8	26.2	1.6	5.8%	99.9	99.9	0.0	0.0%	87	30	87	30	0.0%	0.0%	95	30	95	30	0.0%	0.0%
			LIVING ROOM		W5/F09	22.4	21	1.4	6.2%									36	15	36	15	0.0%	0.0%						
			LIVING ROOM		W6/F09	15.2	14.4	0.8	5.3%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F09	39.5	36.8	2.7	6.8%									50	15	50	15	0.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F09	39.6	36.6	3	7.6%	39.6	36.6	3	7.6%	98.5	98.5	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F09	39.6	36.2	3.4	8.6%	39.6	36.2	3.4	8.6%	99.7	99.7	0.0	0.1%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F09	39.5	35.9	3.6	9.1%	28.1	23.3	4.8	17.1%	99.9	99.9	0.0	0.0%	50	15	50	15	0.0%	0.0%	55	15	55	15	0.0%	0.0%
			LIVING ROOM		W11/F09	14.9	8	6.9	46.3%									5	0	5	0	FAIL	FAIL						
			LIVING ROOM		W12/F09	22.8	18.8	4	17.5%									20	3	19	3	5.0%	0.0%						
			LIVING ROOM		W13/F09	39.4	32.7	6.7	17.0%									12	0	11	0	FAIL	FAIL						
	R6	RESIDENTIAL	BEDROOM		W14/F09	39.4	33.3	6.1	15.5%	39.4	33.3	6.1	15.5%	98.4	98.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F09	39.5	34.1	5.4	13.7%	39.5	34.1	5.4	13.7%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F10	R1	RESIDENTIAL	LIVING ROOM		W1/F10	23.7	23.7	0	0.0%	27.8	27.3	0.5	1.8%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F10	14.7	14.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F10	38.4	38.4	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F10	39.5	35.4	4.1	10.4%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	RESIDENTIAL	LIVING ROOM		W4/F10	38.6	37.9	0.7	1.8%	27.8	26.6	1.2	4.3%	99.9	99.9	0.0	0.0%	87	30	87	30	0.0%	0.0%	95	30	95	30	0.0%	0.0%
			LIVING ROOM		W5/F10	22.4	21.4	1	4.5%									36	15	36	15	0.0%	0.0%						
			LIVING ROOM		W6/F10	15.2	14.6	0.6	3.9%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F10	39.5	37.5	2	5.1%									50	15	50	15	0.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F10	39.5	37.3	2.2	5.6%	39.5	37.3	2.2	5.6%	98.5	98.5	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F10	39.5	37	2.5	6.3%	39.5	37	2.5	6.3%	99.7	99.7	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F10	39.5	36.8	2.7	6.8%	28.1	24.3	3.8	13.5%	99.9	99.9	0.0	0.0%	50	15	50	15	0.0%	0.0%	55	15	55	15	0.0%	0.0%
			LIVING ROOM		W11/F10	14.9	9.1	5.8	38.9%									5	1	5	1	FAIL	FAIL						
			LIVING ROOM		W12/F10	22.8	19.7	3.1	13.6%									20	3	20	3	0.0%	0.0%						
			LIVING ROOM		W13/F10	39.5	33.8	5.7	14.4%									12	0	11	0	FAIL	FAIL						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R6	RESIDENTIAL	BEDROOM		W14/F10	39.5	34.3	5.2	13.2%	39.5	34.3	5.2	13.2%	98.4	98.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F10	39.5	35.1	4.4	11.1%	39.5	35.1	4.4	11.1%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F11	R1	RESIDENTIAL	LIVING ROOM		W1/F11	23.8	23.8	0	0.0%	27.9	27.5	0.4	1.4%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F11	14.7	14.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F11	38.6	38.6	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F11	39.5	36.3	3.2	8.1%									N/A	N/A	N/A	N/A	N/A	N/A						
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F11	38.7	38.2	0.5	1.3%	27.8	27.1	0.7	2.5%	99.9	99.9	0.0	0.0%	87	30	87	30	0.0%	0.0%	95	30	95	30	0.0%	0.0%
			LIVING ROOM		W5/F11	22.4	21.9	0.5	2.2%									36	15	36	15	0.0%	0.0%						
			LIVING ROOM		W6/F11	15.2	14.7	0.5	3.3%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F11	39.5	38.2	1.3	3.3%									50	15	50	15	0.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F11	39.5	38	1.5	3.8%	39.5	38	1.5	3.8%	98.5	98.5	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F11	39.5	37.8	1.7	4.3%	39.5	37.8	1.7	4.3%	99.7	99.7	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F11	39.5	37.7	1.8	4.6%	28.1	25.3	2.8	10.0%	99.9	99.9	0.0	0.0%	50	15	50	15	0.0%	0.0%	55	15	55	15	0.0%	0.0%
			LIVING ROOM		W11/F11	14.9	10.3	4.6	30.9%									8	0	8	0	0.0%	0.0%						
			LIVING ROOM		W12/F11	22.8	20.6	2.2	9.6%									20	3	20	3	0.0%	0.0%						
			LIVING ROOM		W13/F11	39.5	35	4.5	11.4%									14	0	11	0	0.0%	0.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F11	39.5	35.4	4.1	10.4%	39.5	35.4	4.1	10.4%	98.4	98.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F11	39.5	36	3.5	8.9%	39.5	36	3.5	8.9%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F12	R1	RESIDENTIAL	LIVING ROOM		W1/F12	23.9	23.9	0	0.0%	28	27.7	0.3	1.1%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F12	14.7	14.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F12	38.7	38.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F12	39.5	37.1	2.4	6.1%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	RESIDENTIAL	LIVING ROOM		W4/F12	38.9	38.5	0.4	1.0%	27.8	27.4	0.4	1.4%	99.9	99.9	0.0	0.0%	87	30	87	30	0.0%	0.0%	95	30	95	30	0.0%	0.0%
			LIVING ROOM		W5/F12	22.4	22.2	0.2	0.9%									36	15	36	15	0.0%	0.0%						
			LIVING ROOM		W6/F12	15.2	14.9	0.3	2.0%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F12	39.5	38.6	0.9	2.3%									50	15	50	15	0.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F12	39.5	38.6	0.9	2.3%	39.5	38.6	0.9	2.3%	98.5	98.5	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F12	39.5	38.4	1.1	2.8%	39.5	38.4	1.1	2.8%	99.7	99.7	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F12	14.9	11.5	3.4	22.8%	28.1	26.1	2	7.1%	99.9	99.9	0.0	0.0%	8	0	8	0	0.0%	0.0%	55	15	55	15	0.0%	0.0%
			LIVING ROOM		W11/F12	39.5	38.3	1.2	3.0%									50	15	50	15	0.0%	0.0%						
			LIVING ROOM		W12/F12	22.8	21.4	1.4	6.1%									20	3	20	3	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			LIVING ROOM		W13/F12	39.5	36.1	3.4	8.6%																				
	R6	RESIDENTIAL	BEDROOM		W14/F12	39.5	36.4	3.1	7.8%	39.5	36.4	3.1	7.8%	98.4	98.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F12	39.5	36.9	2.6	6.6%	39.5	36.9	2.6	6.6%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F13	R1	RESIDENTIAL	LIVING ROOM		W1/F13	23.9	23.9	0	0.0%	28	27.8	0.2	0.7%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F13	14.7	14.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F13	38.8	38.8	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F13	39.5	37.9	1.6	4.1%									N/A	N/A	N/A	N/A	N/A	N/A						
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F13	39	38.8	0.2	0.5%	27.9	27.6	0.3	1.1%	99.9	99.9	0.0	0.0%	87	30	87	30	0.0%	0.0%	95	30	95	30	0.0%	0.0%
			LIVING ROOM		W5/F13	22.4	22.3	0.1	0.4%									36	15	36	15	0.0%	0.0%						
			LIVING ROOM		W6/F13	15.2	15	0.2	1.3%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F13	39.5	38.9	0.6	1.5%									50	15	50	15	0.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F13	39.5	38.8	0.7	1.8%	39.5	38.8	0.7	1.8%	98.5	98.5	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F13	39.5	38.7	0.8	2.0%	39.5	38.7	0.8	2.0%	99.7	99.7	0.0	0.0%	50	15	50	15	0.0%	0.0%	50	15	50	15	0.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F13	14.9	12.5	2.4	16.1%	28.1	26.7	1.4	5.0%	99.9	99.9	0.0	0.0%	8	0	8	0	0.0%	0.0%	55	15	55	15	0.0%	0.0%
			LIVING ROOM		W11/F13	39.5	38.6	0.9	2.3%									50	15	50	15	0.0%	0.0%						
			LIVING ROOM		W12/F13	22.8	21.8	1	4.4%									20	3	20	3	0.0%	0.0%						
			LIVING ROOM		W13/F13	39.5	37.2	2.3	5.8%																				
	R6	RESIDENTIAL	BEDROOM		W14/F13	39.5	37.4	2.1	5.3%	39.5	37.4	2.1	5.3%	98.4	98.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F13	39.5	37.8	1.7	4.3%	39.5	37.8	1.7	4.3%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F14	R1	RESIDENTIAL	LIVING ROOM		W1/F14	24	24	0	0.0%	28.1	28	0.1	0.4%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F14	14.7	14.7	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F14	39	39	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F14	39.5	38.6	0.9	2.3%									N/A	N/A	N/A	N/A	N/A	N/A						
	R2	RESIDENTIAL	LIVING ROOM		W4/F14	39.1	39.1	0	0.0%	27.8	27.7	0.1	0.4%	99.9	99.9	0.0	0.0%	87	30	87	30	0.0%	0.0%	95	30	95	30	0.0%	0.0%
			LIVING ROOM		W5/F14	22.4	22.3	0.1	0.4%									36	15	36	15	0.0%	0.0%						
			LIVING ROOM		W6/F14	15.2	15.1	0.1	0.7%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F14	39.4	39	0.4	1.0%									49	15	49	15	0.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F14	39.4	39	0.4	1.0%	39.4	39	0.4	1.0%	98.5	98.5	0.0	0.0%	49	15	49	15	0.0%	0.0%	49	15	49	15	0.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F14	39.4	38.9	0.5	1.3%	39.4	38.9	0.5	1.3%	99.7	99.7	0.0	0.0%	49	15	49	15	0.0%	0.0%	49	15	49	15	0.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F14	14.9	13.6	1.3	8.7%	28.1	27.3	0.8	2.8%	99.9	99.9	0.0	0.0%	8	0	8	0	0.0%	0.0%	54	15	54	15	0.0%	0.0%
			LIVING ROOM		W11/F14	39.4	38.9	0.5	1.3%									49	15	49	15	0.0%	0.0%						

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
			LIVING ROOM		W12/F14	22.8	22.1	0.7	3.1%									20	3	20	3	0.0%	0.0%						
			LIVING ROOM		W13/F14	39.5	38.3	1.2	3.0%									12	0	12	0	N/A	N/A						
	R6	RESIDENTIAL	BEDROOM		W14/F14	39.5	38.4	1.1	2.8%	39.5	38.4	1.1	2.8%	98.4	98.4	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F14	39.5	38.5	1	2.5%	39.5	38.5	1	2.5%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F15	R1	RESIDENTIAL	LIVING ROOM		W1/F15	25.7	25.7	0	0.0%	29.1	29	0.1	0.3%	100	100	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			LIVING ROOM		W2/F15	15.8	15.8	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W3/F15	39.1	39.1	0	0.0%									N/A	N/A	N/A	N/A	N/A	N/A						
			LIVING ROOM		W17/F15	39.3	39.1	0.2	0.5%									N/A	N/A	N/A	N/A	N/A	N/A						
MADINGLEY (CONTINUED)																													
	R2	RESIDENTIAL	LIVING ROOM		W4/F15	39.3	39.3	0	0.0%	27.6	27.5	0.1	0.4%	99.9	99.9	0.0	0.0%	87	30	87	30	0.0%	0.0%	95	30	95	30	0.0%	0.0%
			LIVING ROOM		W5/F15	22.5	22.4	0.1	0.4%									37	15	37	15	0.0%	0.0%						
			LIVING ROOM		W6/F15	15.5	15.5	0	0.0%									34	18	34	18	0.0%	0.0%						
			LIVING ROOM		W7/F15	38	37.9	0.1	0.3%									44	15	44	15	0.0%	0.0%						
	R3	RESIDENTIAL	KITCHEN (1)		W8/F15	38.1	37.9	0.2	0.5%	38.1	37.9	0.2	0.5%	98.4	98.4	0.0	0.0%	44	15	44	15	0.0%	0.0%	44	15	44	15	0.0%	0.0%
	R4	RESIDENTIAL	KITCHEN (1)		W9/F15	38.2	38	0.2	0.5%	38.2	38	0.2	0.5%	98.1	98.1	0.0	0.0%	44	15	44	15	0.0%	0.0%	44	15	44	15	0.0%	0.0%
	R5	RESIDENTIAL	LIVING ROOM		W10/F15	15.1	14.6	0.5	3.3%	27.8	27.4	0.4	1.4%	99.9	99.9	0.0	0.0%	8	0	8	0	0.0%	0.0%	50	15	50	15	0.0%	0.0%
			LIVING ROOM		W11/F15	38.3	38	0.3	0.8%									45	15	45	15	0.0%	0.0%						
			LIVING ROOM		W12/F15	22.8	22.5	0.3	1.3%									20	3	20	3	0.0%	0.0%						
			LIVING ROOM		W13/F15	39.1	38.9	0.2	0.5%									11	0	11	0	0.0%	0.0%						
	R6	RESIDENTIAL	BEDROOM		W14/F15	39.2	38.9	0.3	0.8%	39.2	38.9	0.3	0.8%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	R8	RESIDENTIAL	BEDROOM		W16/F15	39.3	39.1	0.2	0.5%	39.3	39.1	0.2	0.5%	98.2	98.2	0.0	0.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40 CAMBRIDGE GROVE RD																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	31.4	27.8	3.6	11.5%	31.4	27.8	3.6	11.5%	99.7	97.5	0.4	2.2%	43	11	39	11	9.3%	0.0%	43	11	39	11	9.3%	0.0%
			UNKNOWN		W2/F00	31.4	27.9	3.5	11.1%									43	11	39	11	9.3%	0.0%						
F01	R1	RESIDENTIAL	UNKNOWN		W1/F01	35.2	30.2	5	14.2%	35.2	30.2	5	14.2%	98.4	90.7	0.8	7.8%	48	13	44	13	8.3%	0.0%	48	13	44	13	8.3%	0.0%
	R2	RESIDENTIAL	UNKNOWN		W2/F01	35.2	30.3	4.9	13.9%	35.2	30.3	4.9	13.9%	98.4	91.1	0.7	7.4%	48	13	44	13	8.3%	0.0%	48	13	44	13	8.3%	0.0%
42 CAMBRIDGE GROVE RD																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	31.2	27.6	3.6	11.5%	31.3	27.6	3.7	11.8%	99.7	98.3	0.3	1.4%	43	11	38	11	11.6%	0.0%	43	11	38	11	11.6%	0.0%
			UNKNOWN		W2/F00	31.3	27.7	3.6	11.5%									43	11	38	11	11.6%	0.0%						
F01	R1	RESIDENTIAL	UNKNOWN		W1/F01	35	29.9	5.1	14.6%	35	29.9	5.1	14.6%	98.4	88.9	0.8	9.7%	48	13	41	12	14.6%	7.7%	48	13	41	12	14.6%	7.7%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
	R2	RESIDENTIAL	UNKNOWN		W2/F01	35.1	30.1	5	14.2%	35.1	30.1	5	14.2%	98.3	90	0.9	8.5%	48	13	41	12	14.6%	7.7%	48	13	41	12	14.6%	7.7%
44 CAMBRIDGE GROVE RD																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	30.9	27.2	3.7	12.0%	31	27.3	3.7	11.9%	99.7	97.8	0.4	1.9%	43	11	38	11	11.6%	0.0%	43	11	38	11	11.6%	0.0%
			UNKNOWN		W2/F00	31.1	27.4	3.7	11.9%									43	11	38	11	11.6%	0.0%						
F01	R1	RESIDENTIAL	UNKNOWN		W1/F01	34.7	29.5	5.2	15.0%	34.7	29.5	5.2	15.0%	98.4	88.4	1.0	10.1%	49	14	41	13	16.3%	7.1%	49	14	41	13	16.3%	7.1%
	R2	RESIDENTIAL	UNKNOWN		W2/F01	34.9	29.7	5.2	14.9%	34.9	29.7	5.2	14.9%	98.4	89.6	0.9	8.9%	48	13	40	12	16.7%	7.7%	48	13	40	12	16.7%	7.7%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

(3) SINGLE ASPECT ROOM DEEPER THAN 5m

						VSC (WINDOW)				VSC (ROOM)				NSL				APSH (WINDOW)						APSH (ROOM)					
FLOOR	ROOM	PROPERTY TYPE	ROOM USE	ROOM NOTES	WINDOW	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS	LOSS %	EX. %	PR. %	LOSS SQM	LOSS %	EX.		PR.		LOSS %		EX.		PR.		LOSS %	
																		ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER	ANNUAL	WINTER
46 CAMBRIDGE GROVE RD																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	30.3	26.6	3.7	12.2%	30.4	26.7	3.7	12.2%	99.6	94.7	1.0	5.0%	43	11	38	11	11.6%	0.0%	43	11	38	11	11.6%	0.0%
			UNKNOWN		W2/F00	30.6	26.9	3.7	12.1%									43	11	38	11	11.6%	0.0%						
F01	R1	RESIDENTIAL	UNKNOWN		W1/F01	34.2	29	5.2	15.2%	34.2	29	5.2	15.2%	98.4	90	0.8	8.5%	48	14	41	13	14.6%	7.1%	48	14	41	13	14.6%	7.1%
	R2	RESIDENTIAL	UNKNOWN		W2/F01	34.4	29.3	5.1	14.8%	34.4	29.3	5.1	14.8%	98.4	88.4	1.0	10.2%	49	14	42	13	14.3%	7.1%	49	14	42	13	14.3%	7.1%
48 CAMBRIDGE GROVE RD																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	29.4	25.7	3.7	12.6%	29.7	26	3.7	12.5%	99.6	92.7	1.4	6.9%	43	11	38	11	11.6%	0.0%	43	11	38	11	11.6%	0.0%
			UNKNOWN		W2/F00	30	26.3	3.7	12.3%									43	11	37	11	14.0%	0.0%						
F01	R1	RESIDENTIAL	UNKNOWN		W1/F01	33.4	28.2	5.2	15.6%	33.4	28.2	5.2	15.6%	98.3	89.6	0.9	8.9%	48	14	40	13	16.7%	7.1%	48	14	40	13	16.7%	7.1%
	R2	RESIDENTIAL	UNKNOWN		W2/F01	33.9	28.8	5.1	15.0%	33.9	28.8	5.1	15.0%	98.4	89.1	0.9	9.4%	48	14	40	13	16.7%	7.1%	48	14	40	13	16.7%	7.1%
50 CAMBRIDGE GROVE RD																													
F00	R1	RESIDENTIAL	UNKNOWN		W1/F00	27.8	23.7	4.1	14.7%	28.2	24.2	4	14.2%	99.5	86.8	2.6	12.7%	44	12	39	12	11.4%	0.0%	44	12	39	12	11.4%	0.0%
			UNKNOWN		W2/F00	28.6	24.8	3.8	13.3%									43	12	39	12	9.3%	0.0%						
F01	R1	RESIDENTIAL	UNKNOWN		W1/F01	31.7	26.6	5.1	16.1%	31.7	26.6	5.1	16.1%	98.3	91.9	0.6	6.4%	48	14	41	13	14.6%	7.1%	48	14	41	13	14.6%	7.1%
	R2	RESIDENTIAL	UNKNOWN		W2/F01	32.6	27.5	5.1	15.6%	32.6	27.5	5.1	15.6%	98.2	91.9	0.7	6.5%	48	14	40	13	16.7%	7.1%	48	14	40	13	16.7%	7.1%

(1) KITCHEN SMALLER THAN 13m2

(2) INC\HZ = SKY COMPONENT (INCLINED\HORIZONTAL WINDOWS)

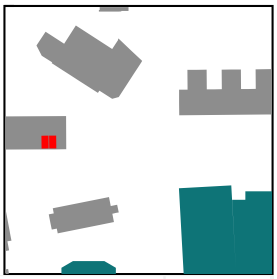
(3) SINGLE ASPECT ROOM DEEPER THAN 5m

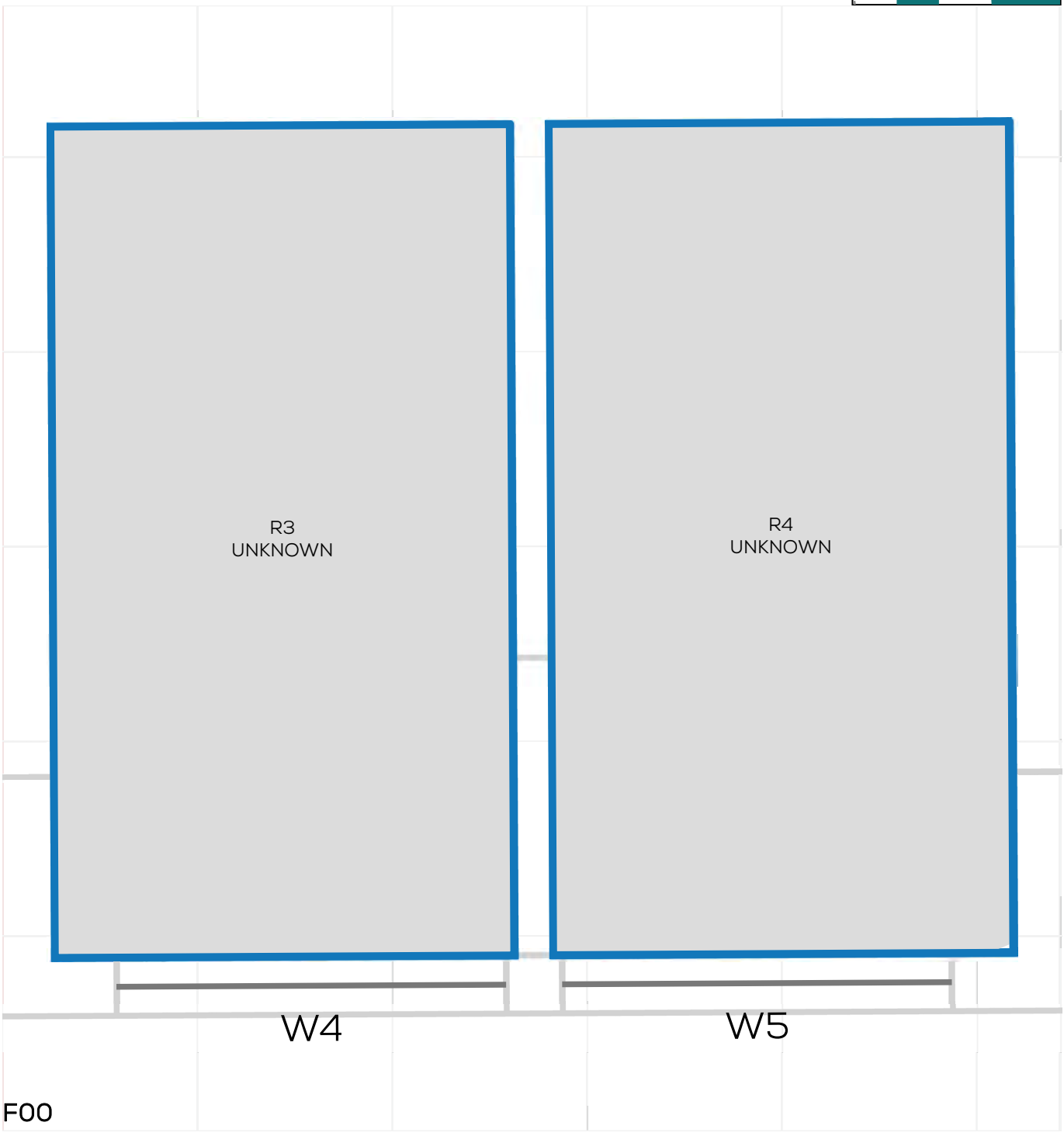
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 1-21 CONNINGTON SOMERSET ROAD
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD1

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





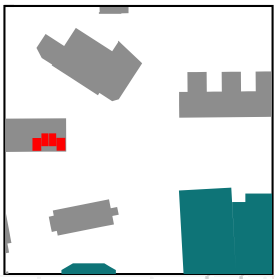
F00

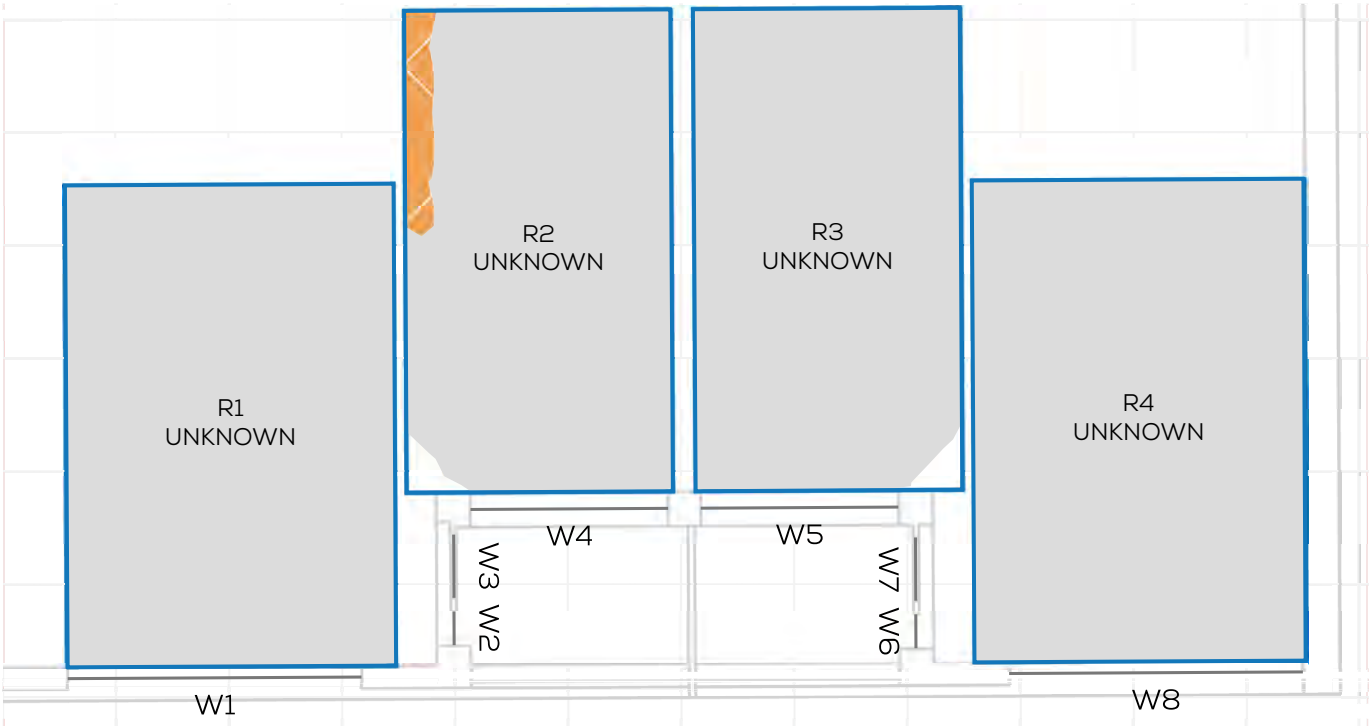
NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	1-21 CONNINGTON SOMERSET ROAD
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD2

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





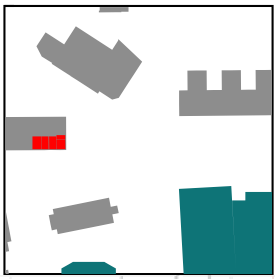
F01

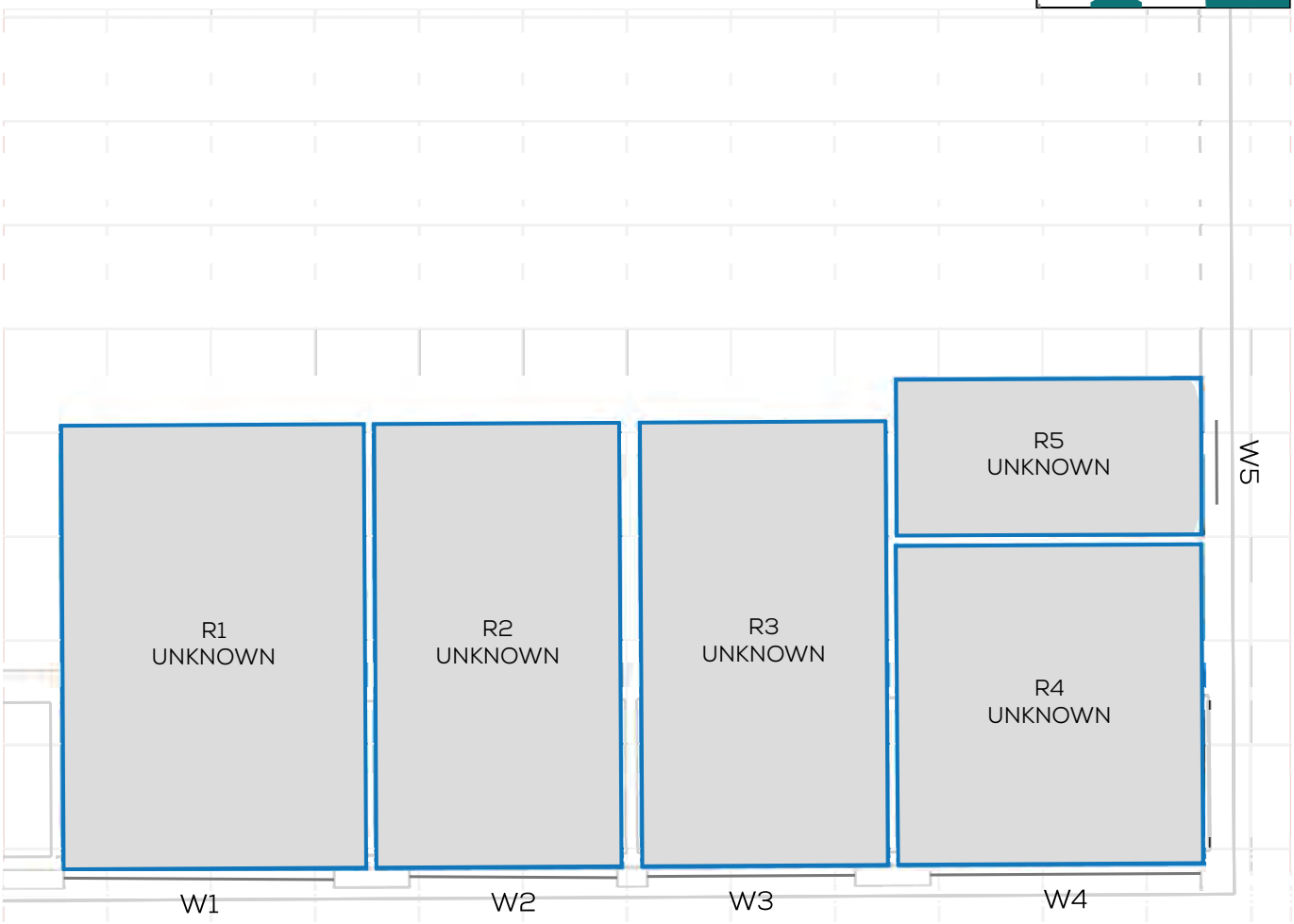
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 1-21 CONNINGTON SOMERSET ROAD
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD3

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



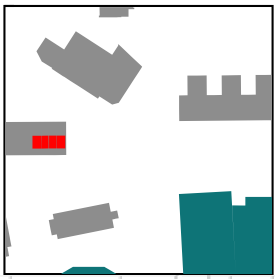


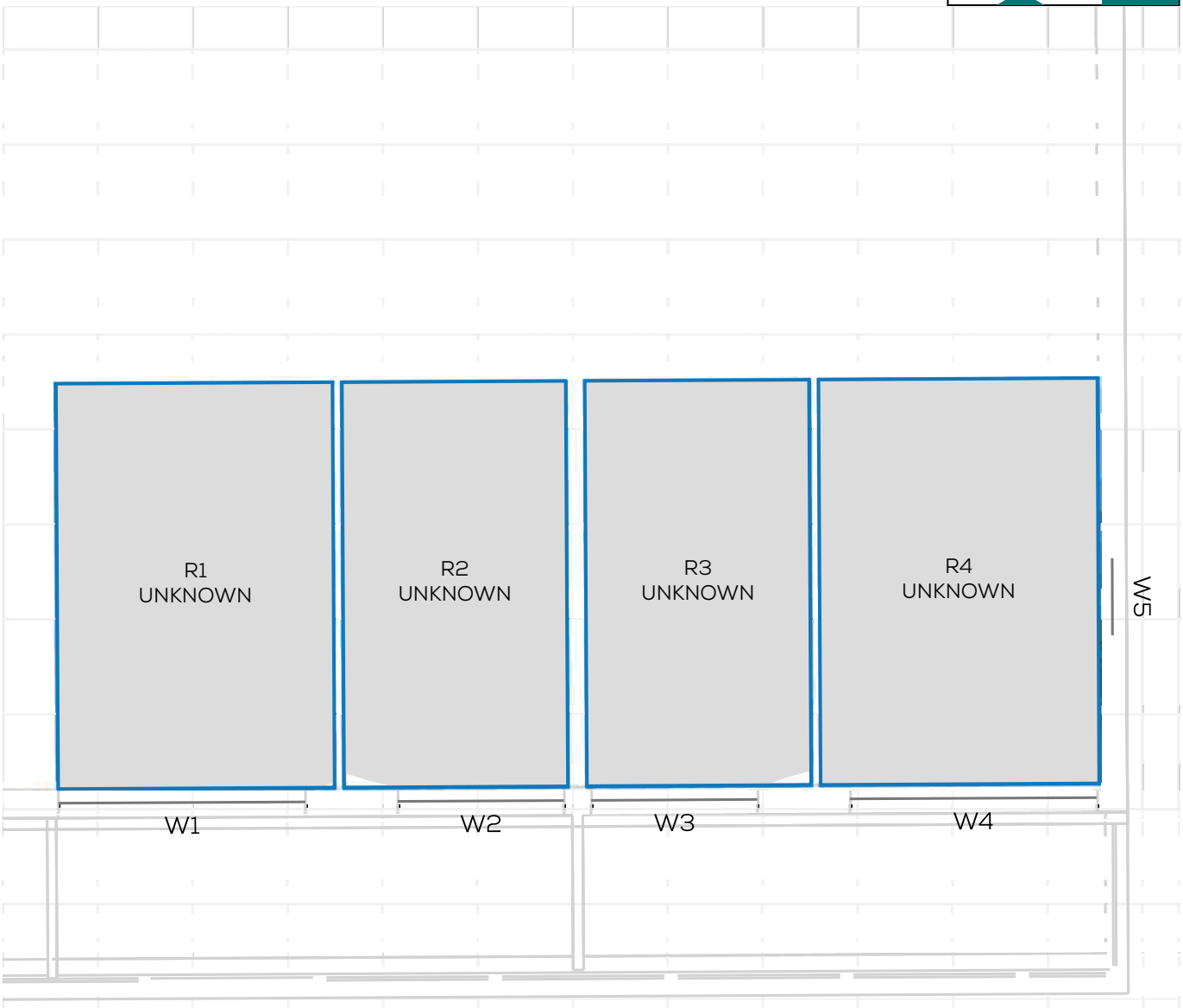
F02

NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 1-21 CONNINGTON SOMERSET ROAD
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD4

KEY:
- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



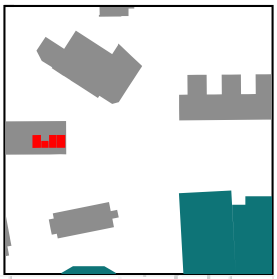


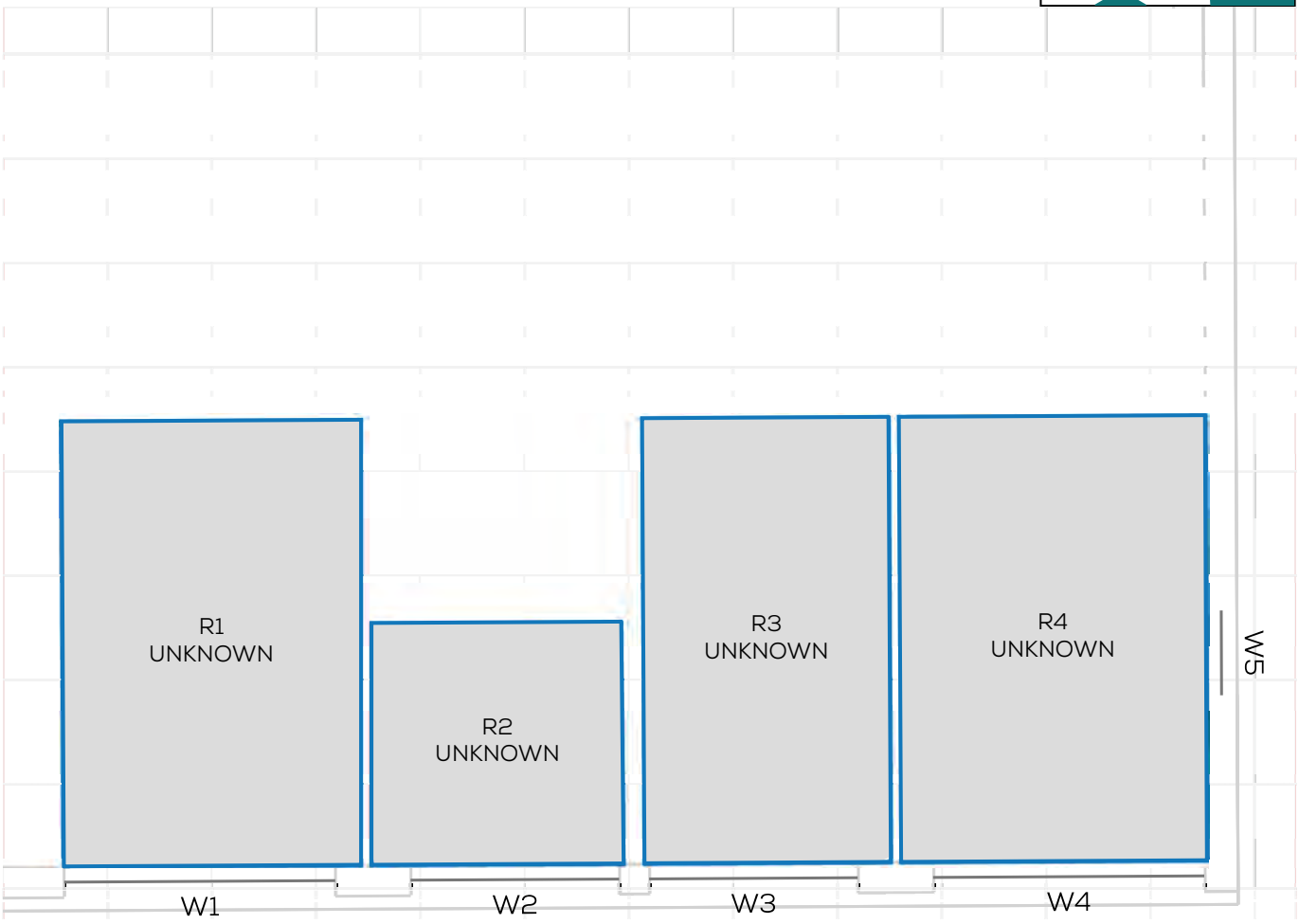
F03

NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 1-21 CONNINGTON SOMERSET ROAD
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD5

KEY:
- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





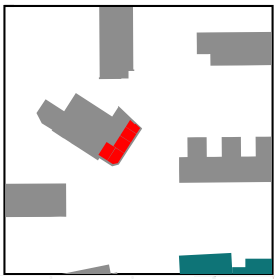
F04

NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: THE BULL & BUSH PH EXCELSIOR ROAD
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD6

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



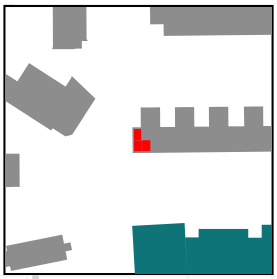
F01

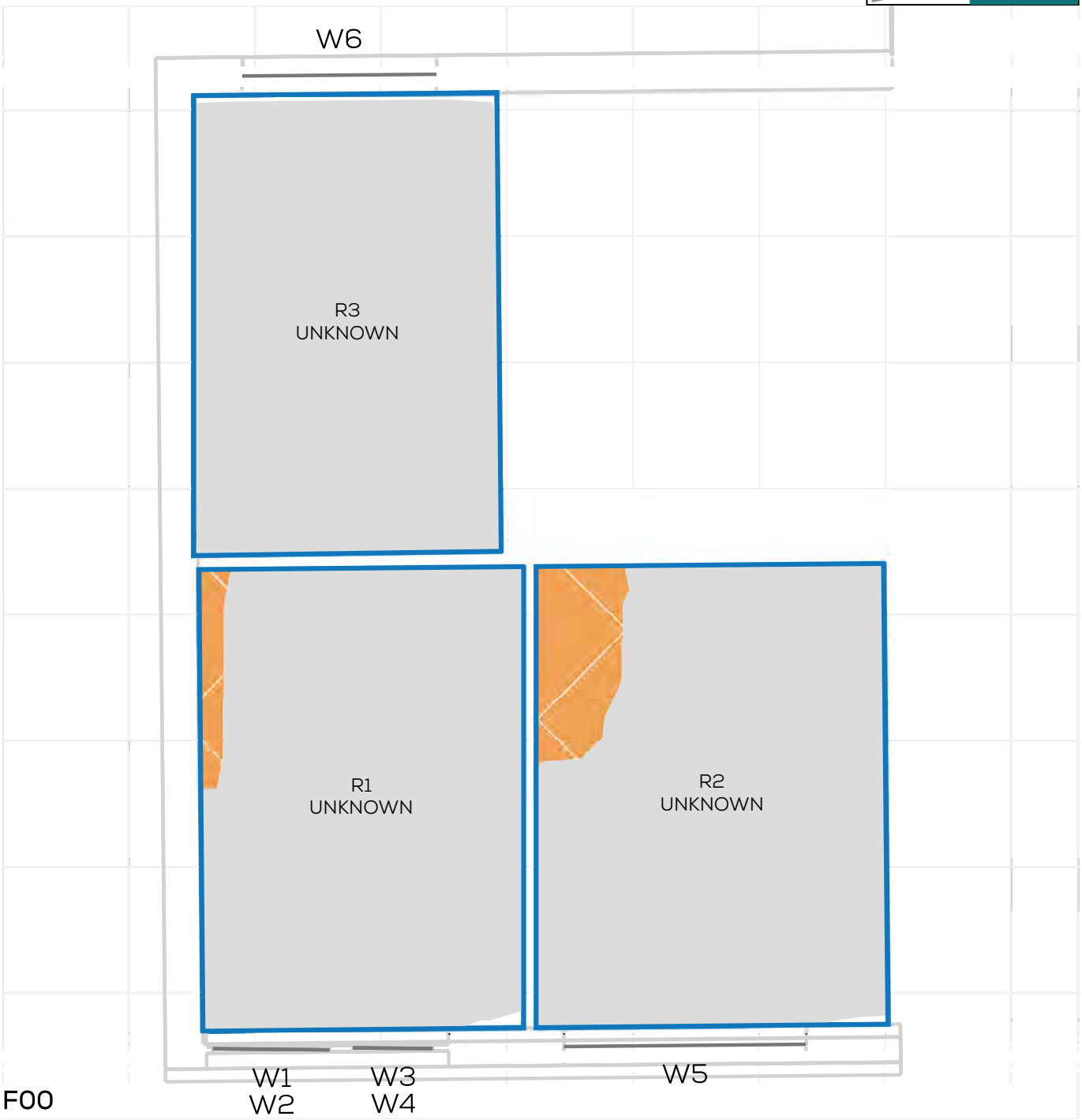
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 1 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD7

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





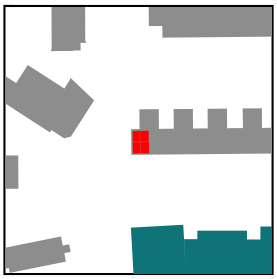
F00

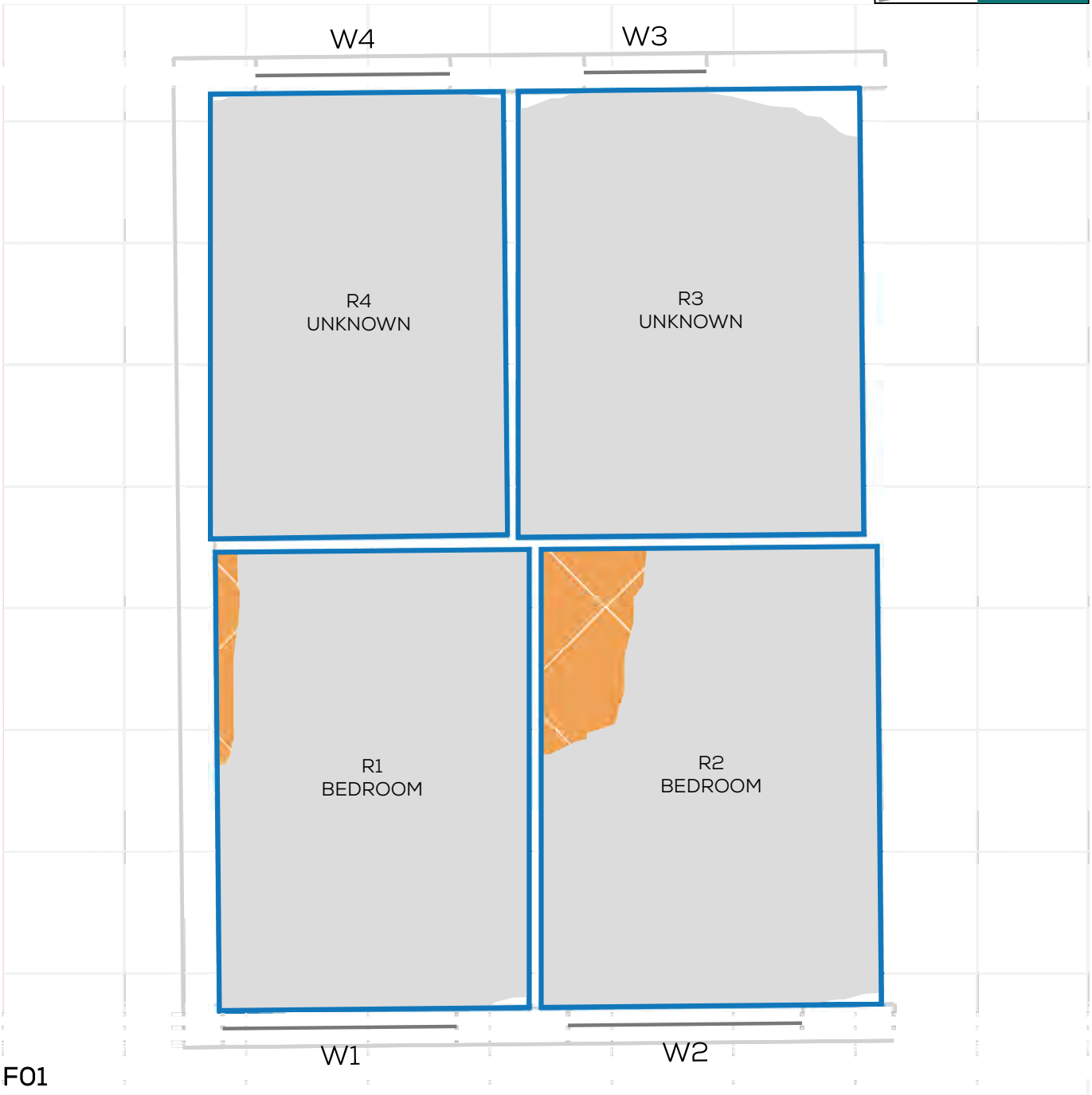
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 1 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD8

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



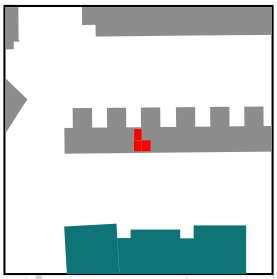


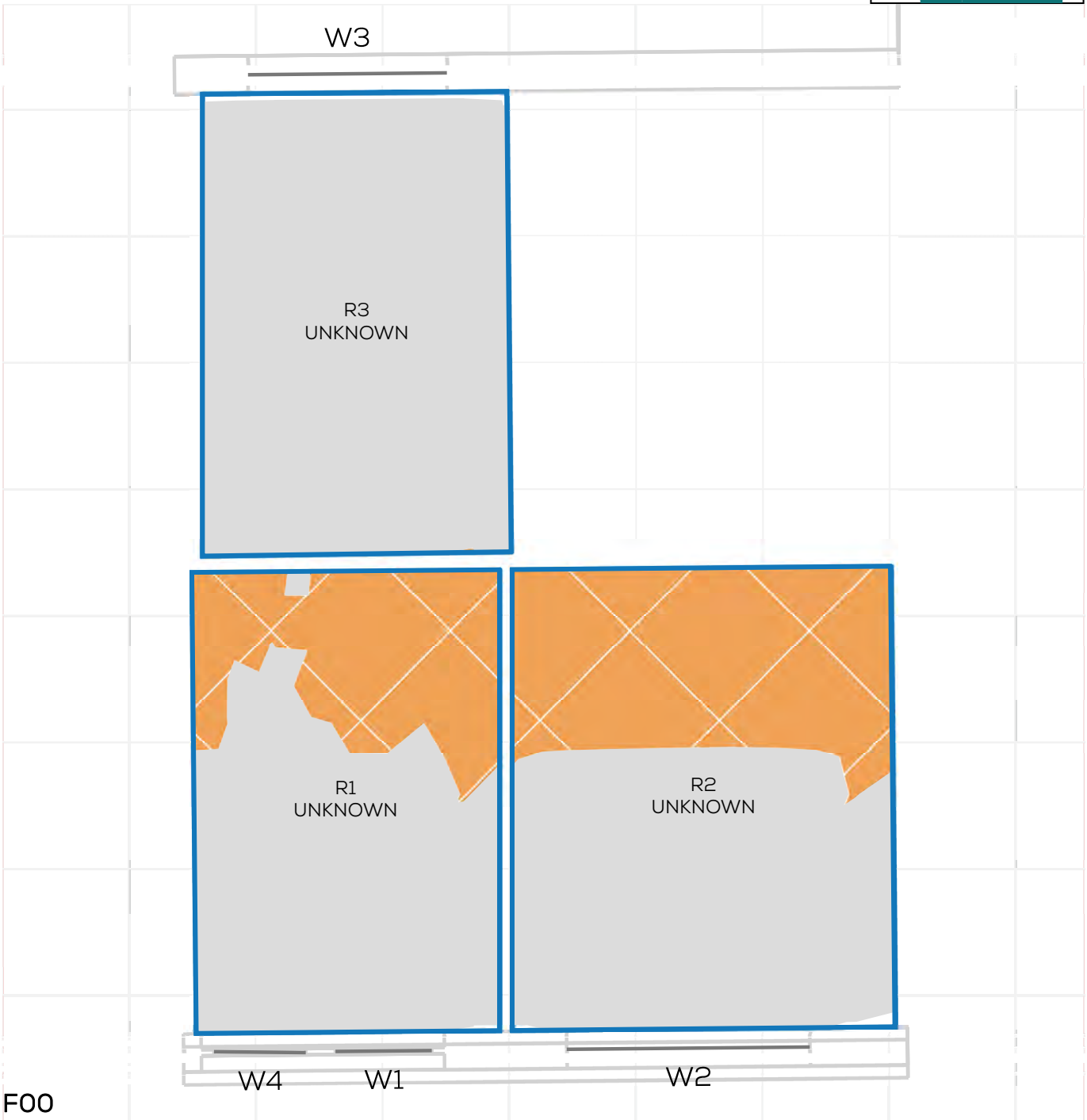
F01

NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 5 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD9

KEY:
GAIN
LOSS
MAINTAINED LIT AREA
1 METRE GRID





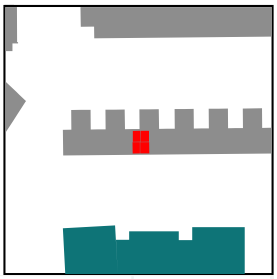
F00

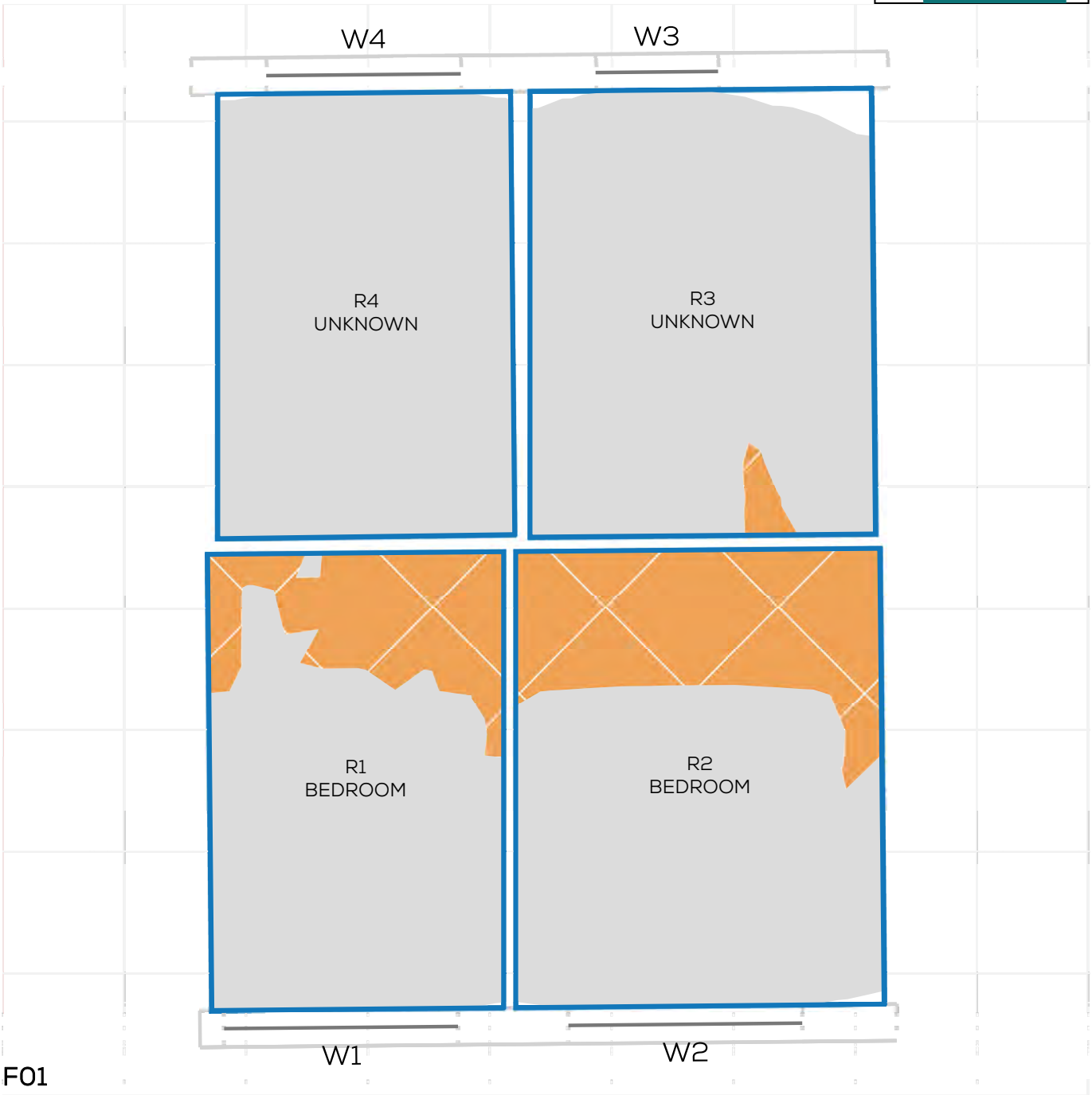
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 5 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD10

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





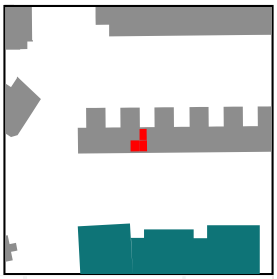
F01

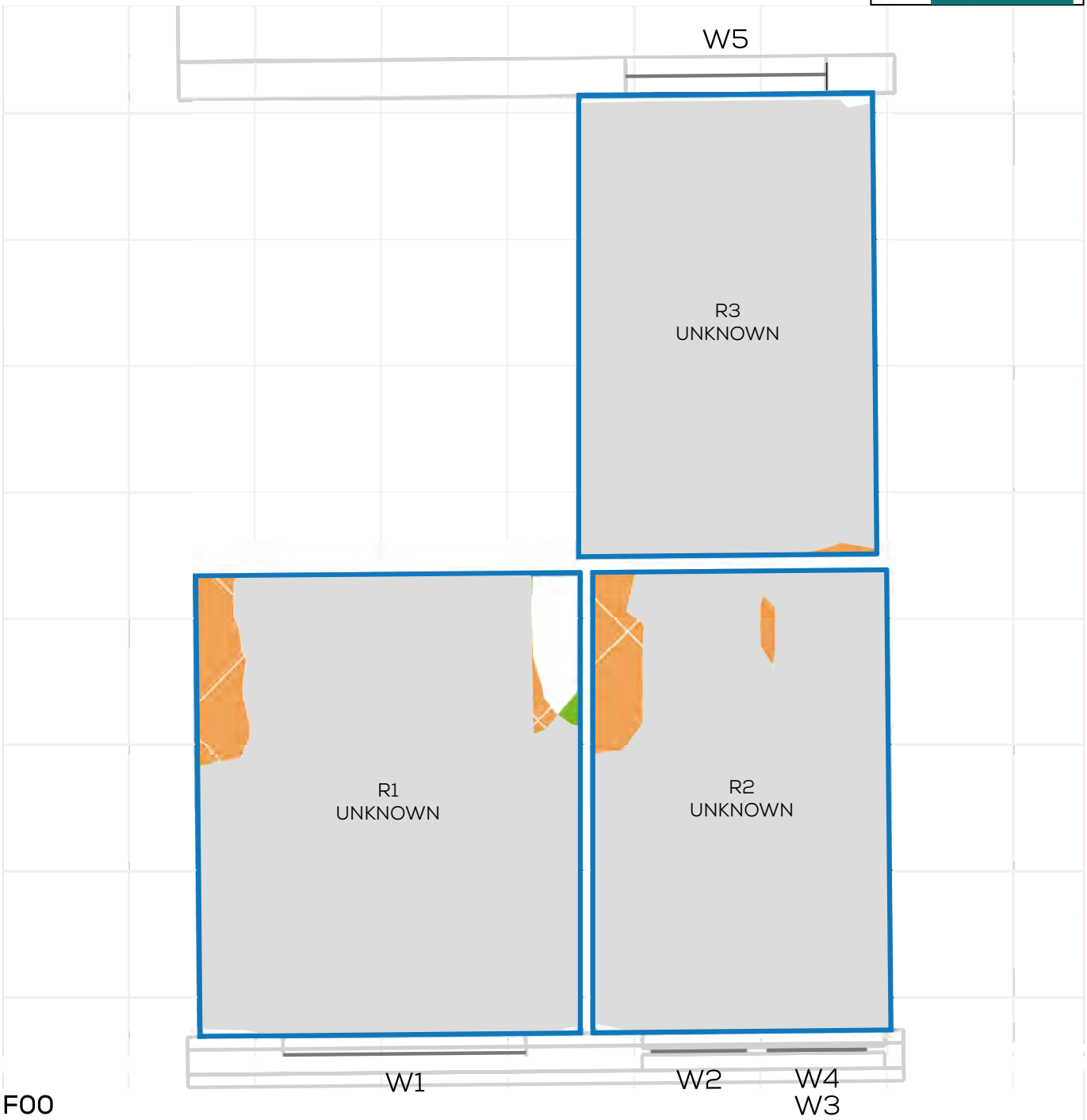
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 4 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD11

KEY:

GAIN
LOSS
MAINTAINED LIT AREA
1 METRE GRID





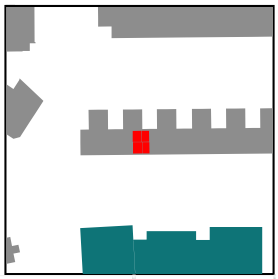
F00

NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	4 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD12

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



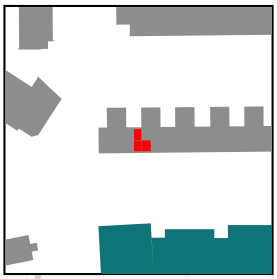
F01

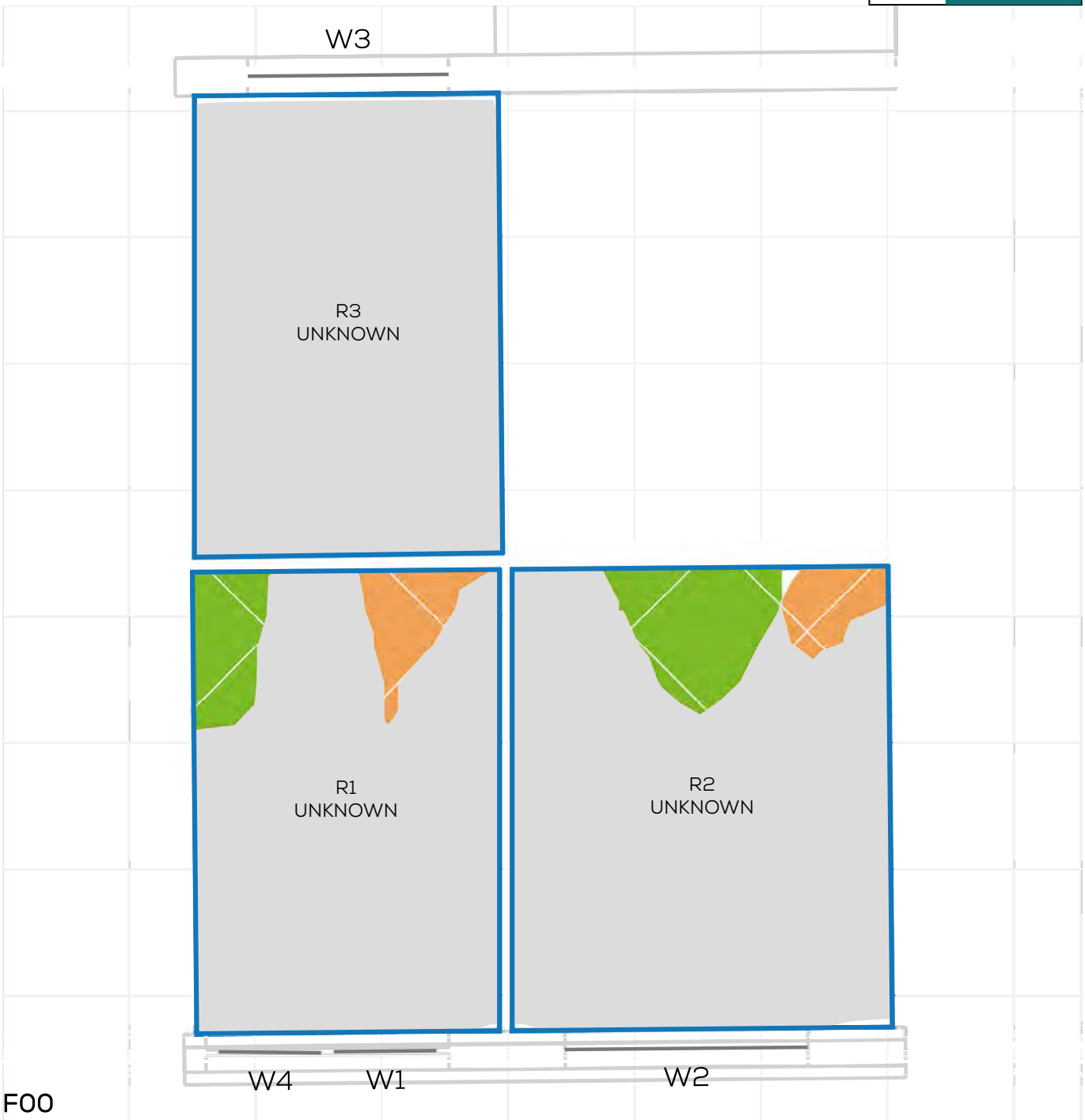
NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	3 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD13

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





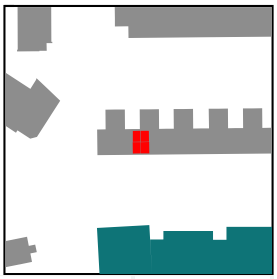
F00

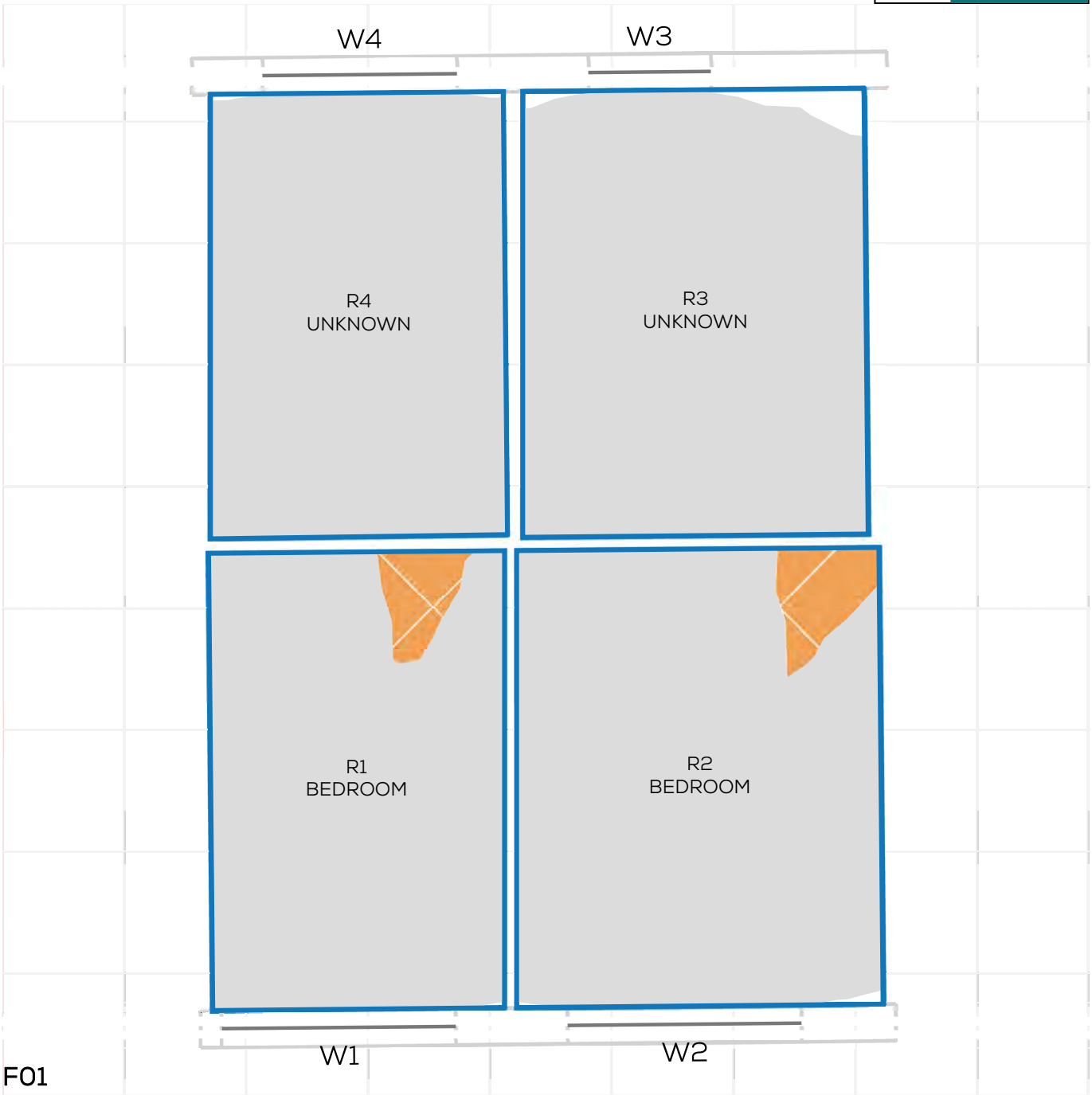
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 3 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD14

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





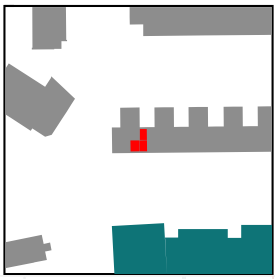
F01

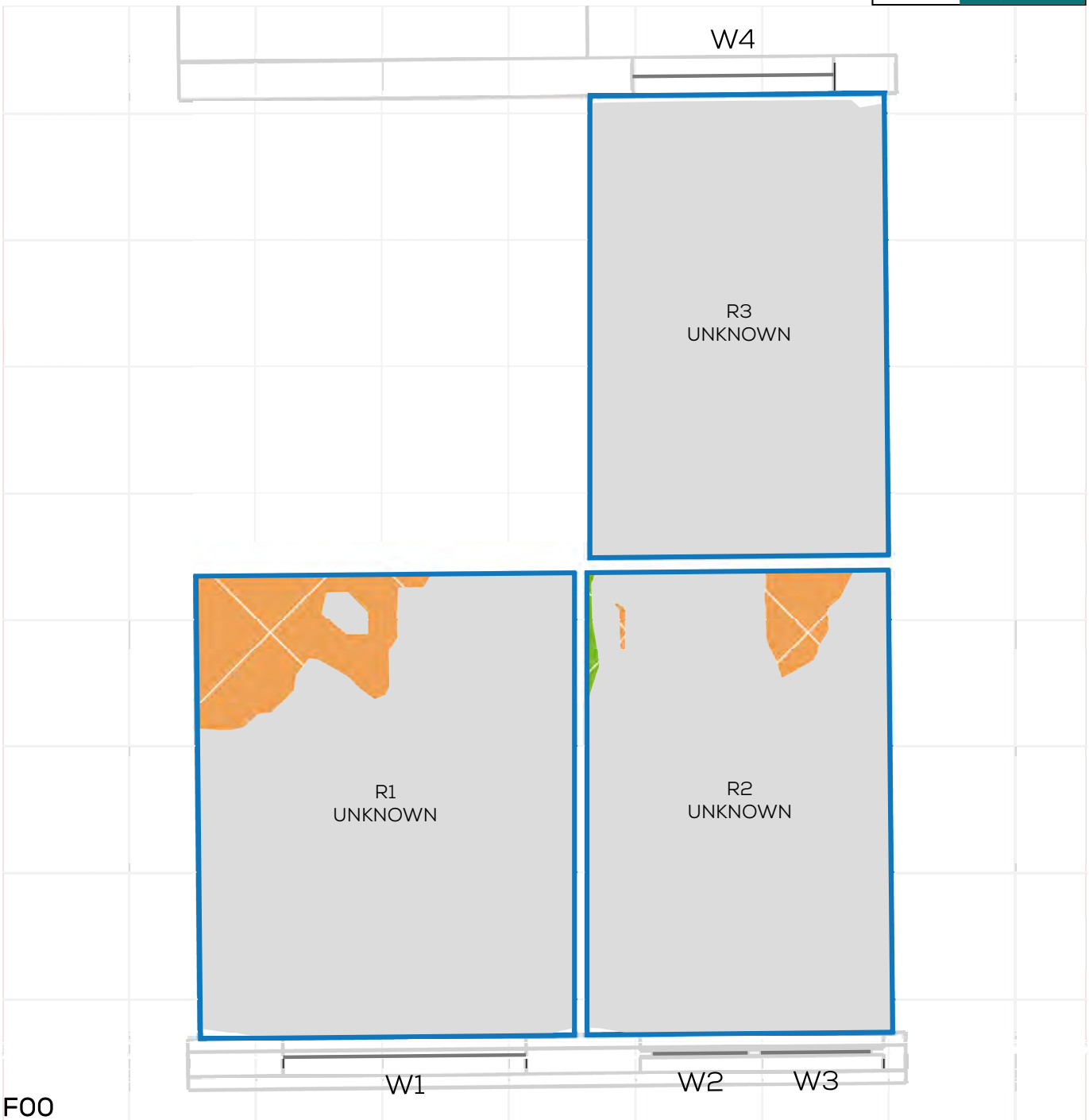
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 2 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD15

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





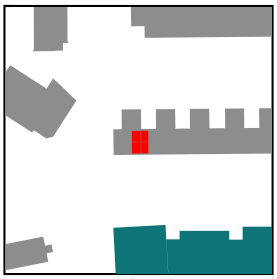
F00

NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 2 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD16

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



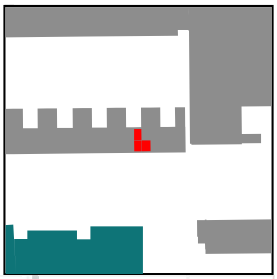
F01

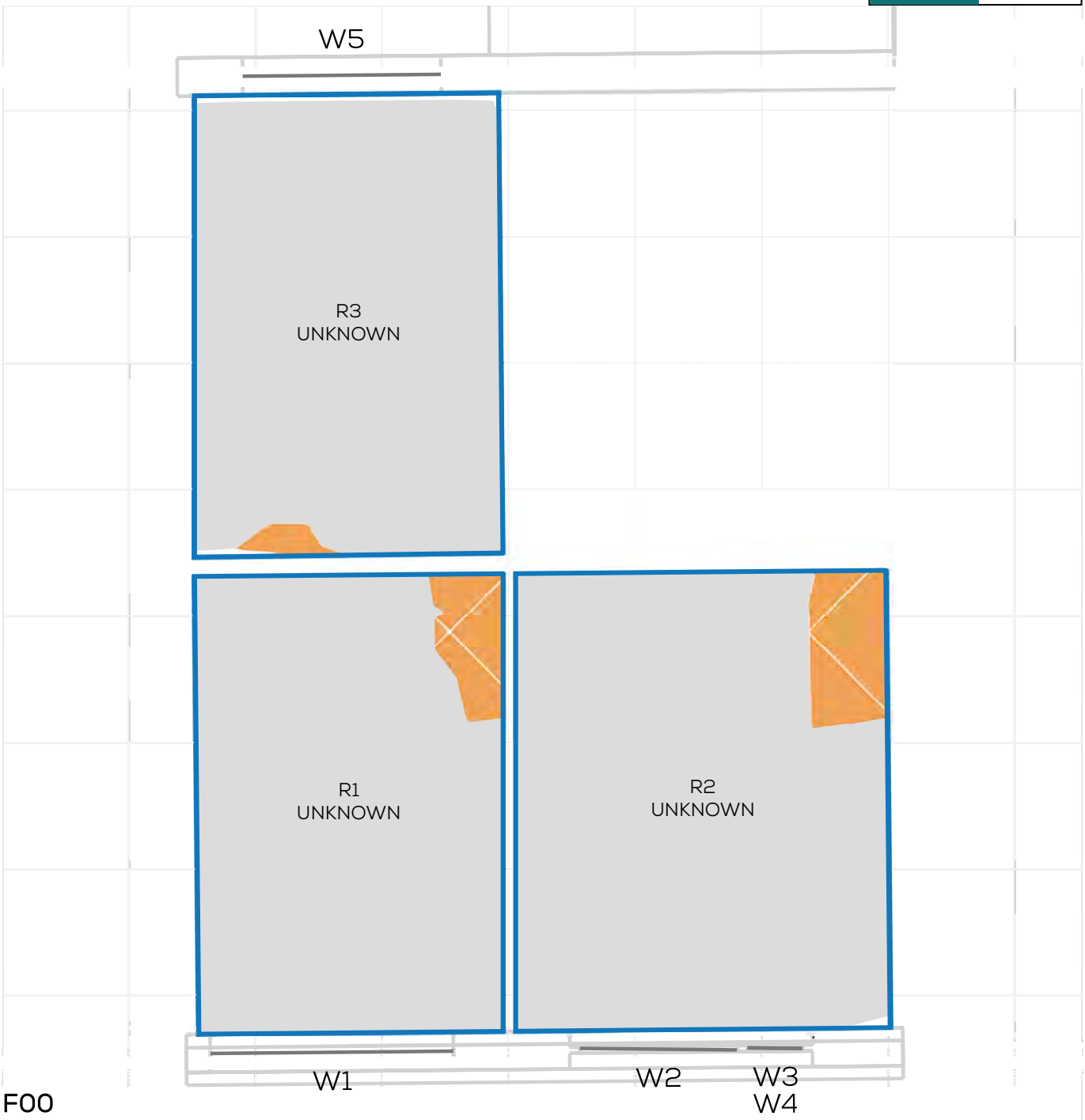
NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	11 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD17

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





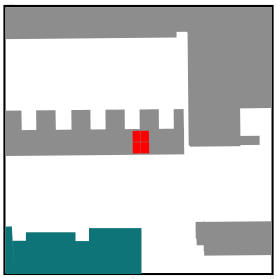
F00

NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	11 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD18

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



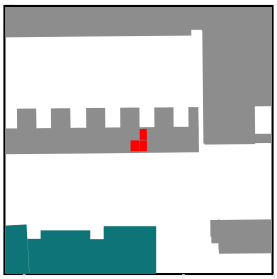
F01

NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	10 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD19

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



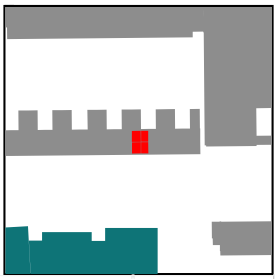
F00

NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 10 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD20

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



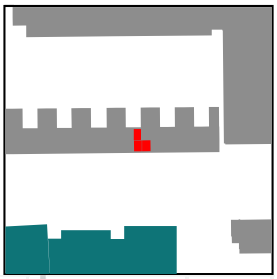
F01

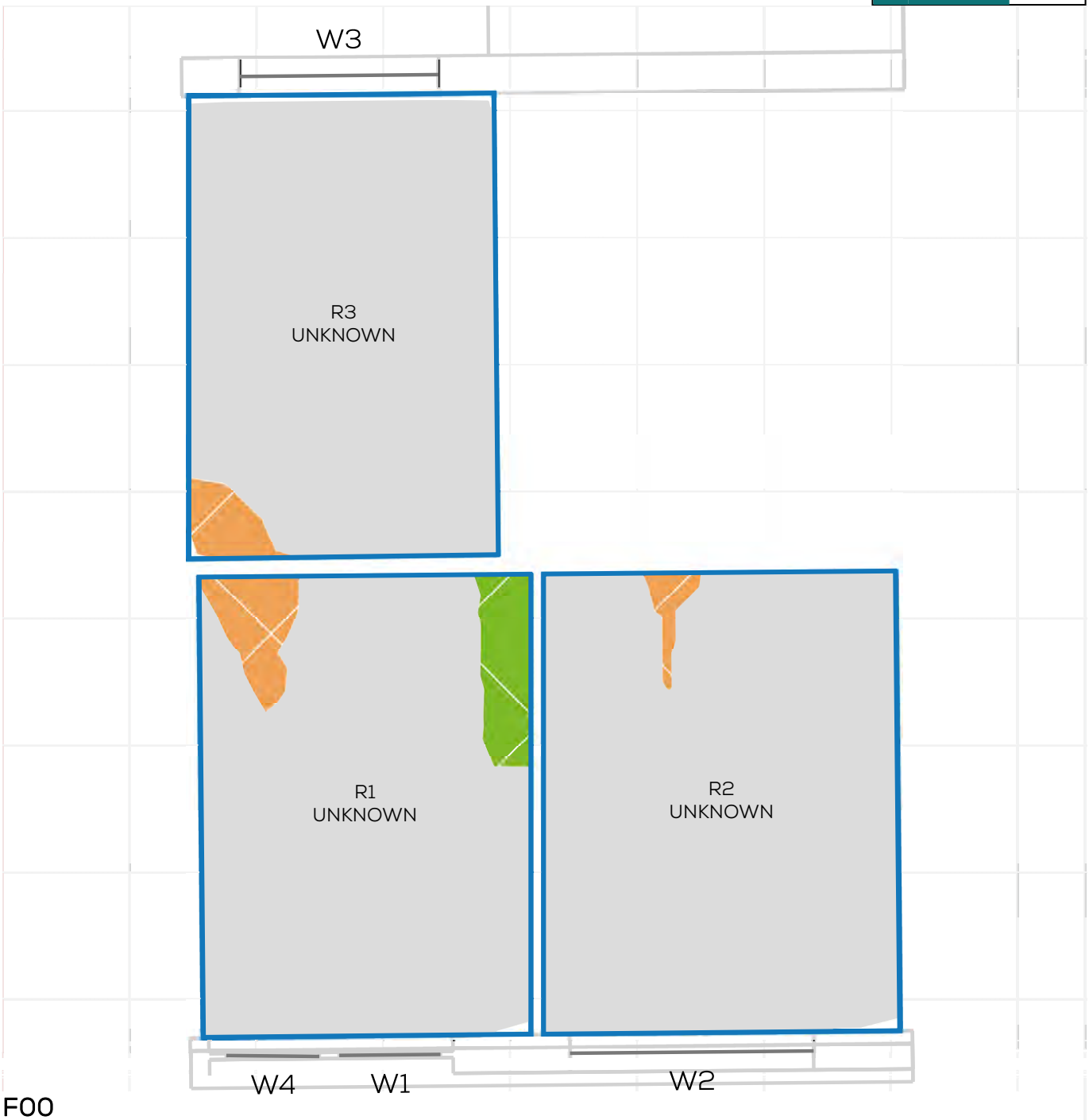
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 9 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD21

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





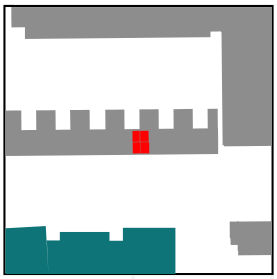
F00

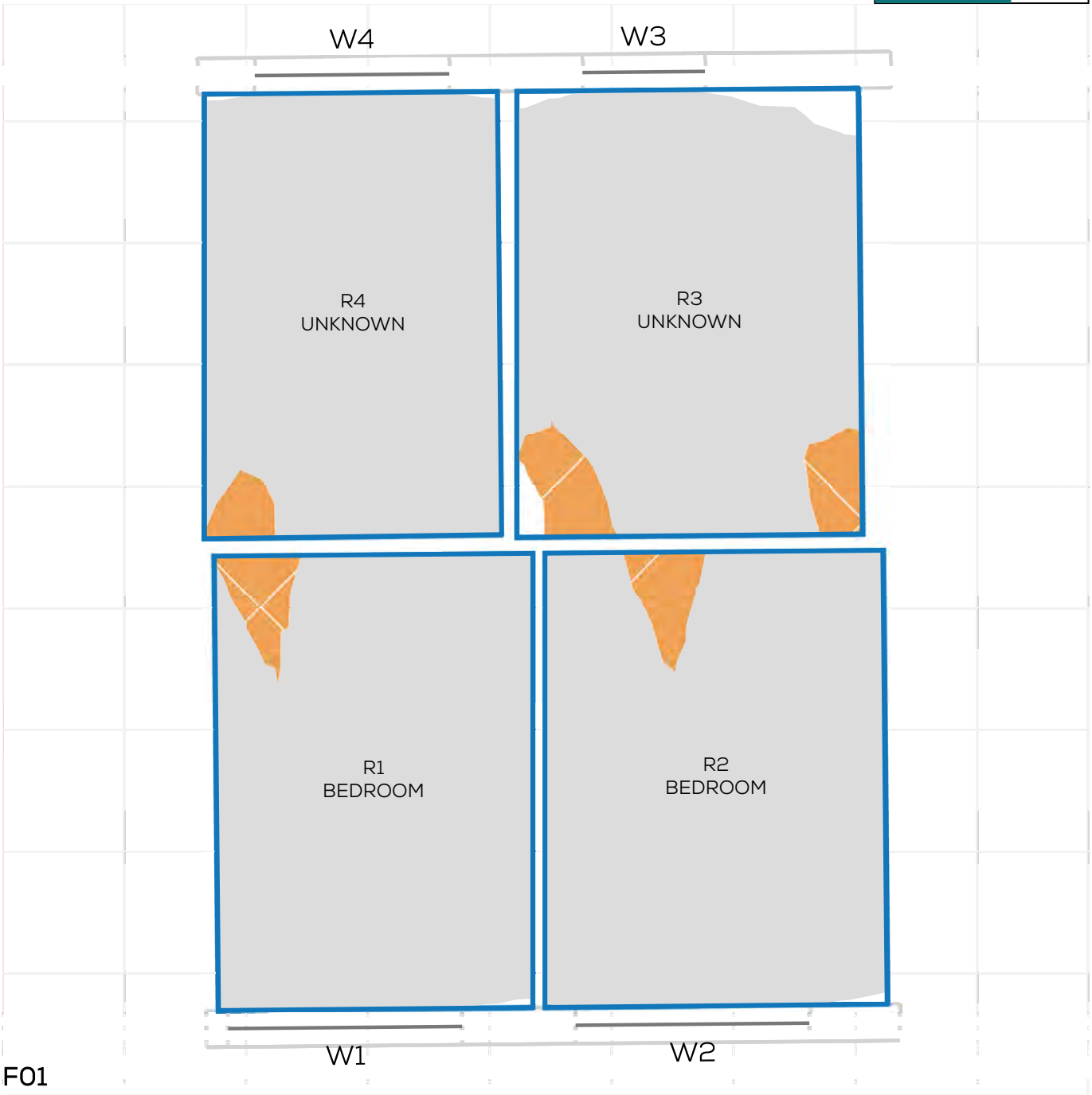
NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	9 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD22

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





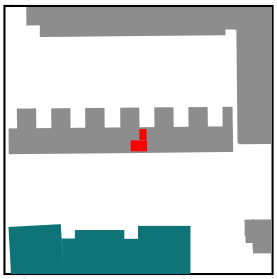
F01

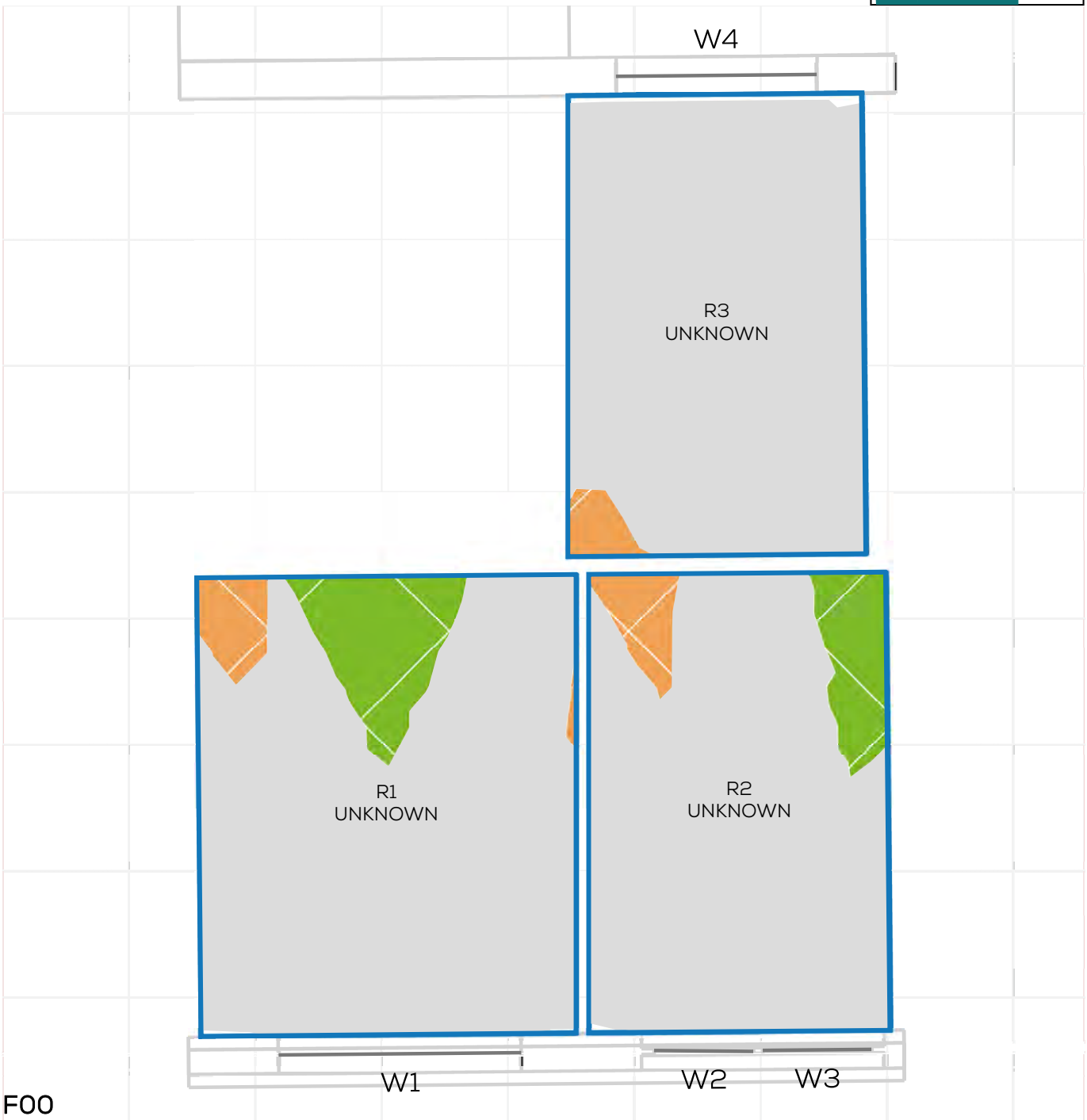
NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	8 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD23

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





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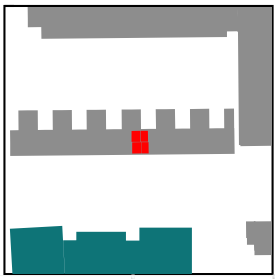
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 8 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD24

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



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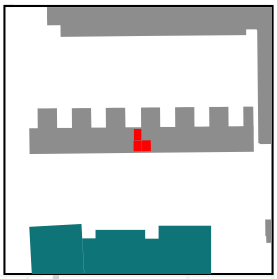
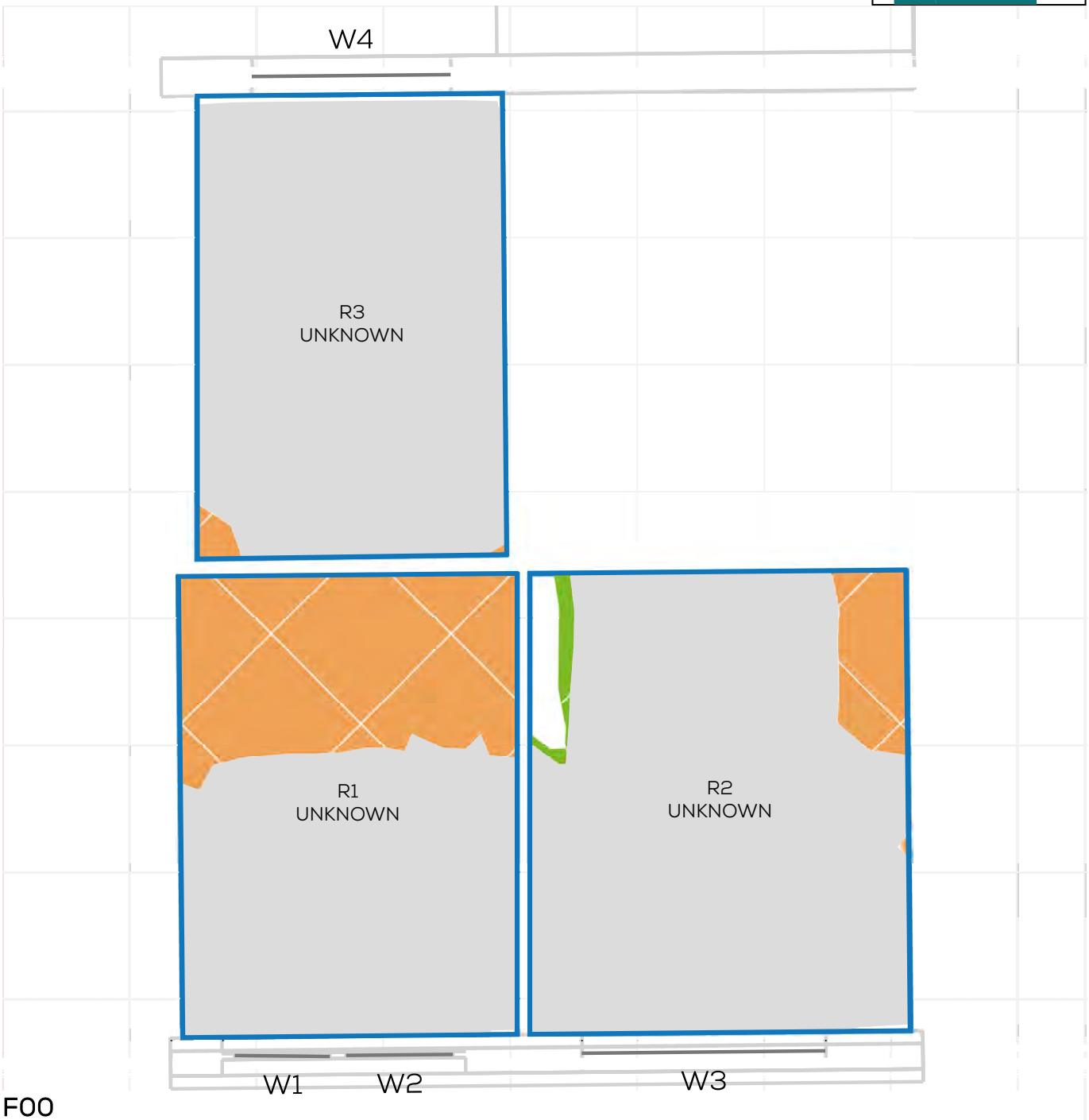
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 7 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD25

KEY:
- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





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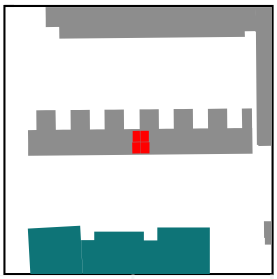
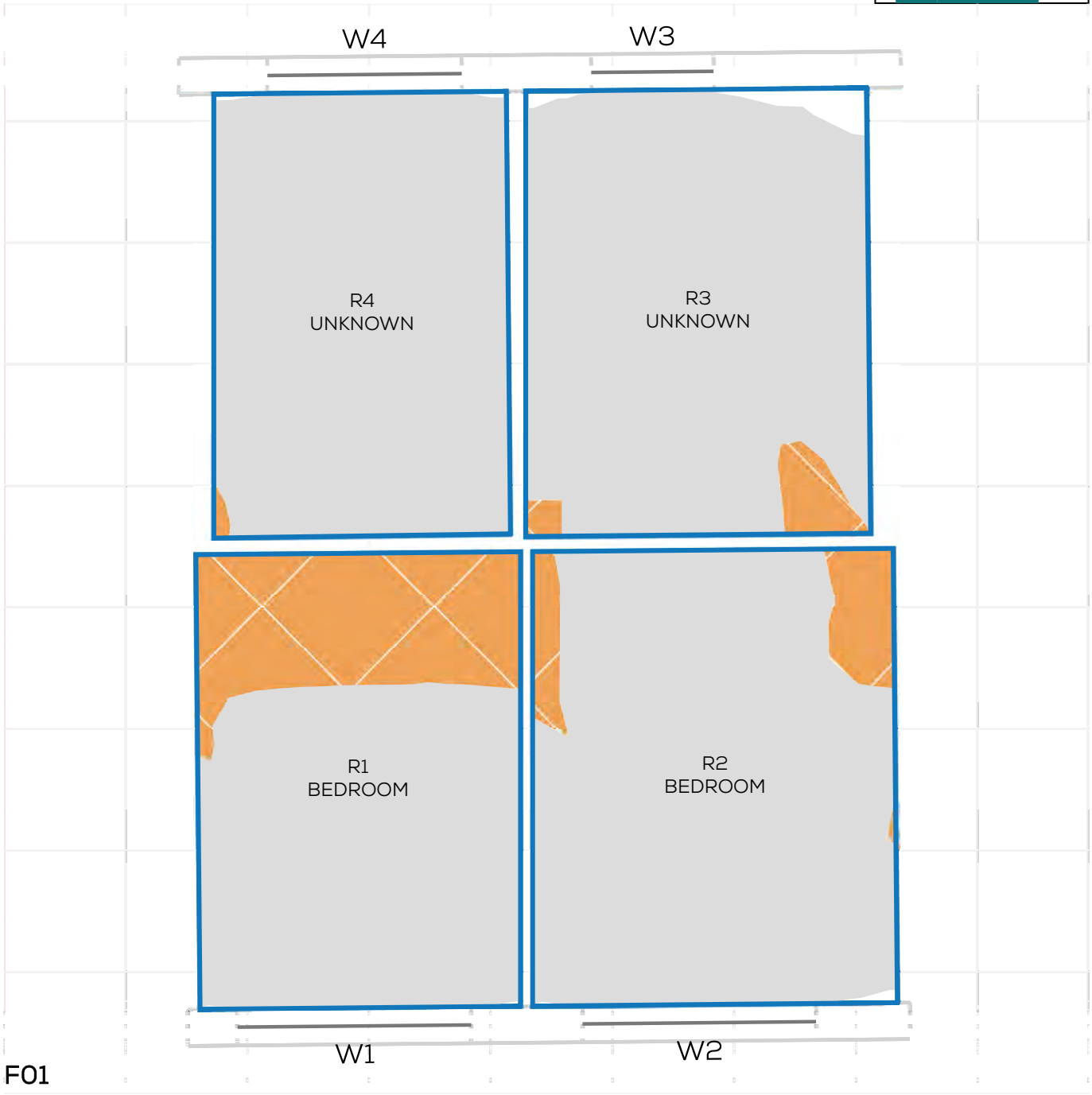
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 7 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD26

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





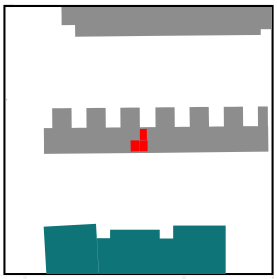
F01

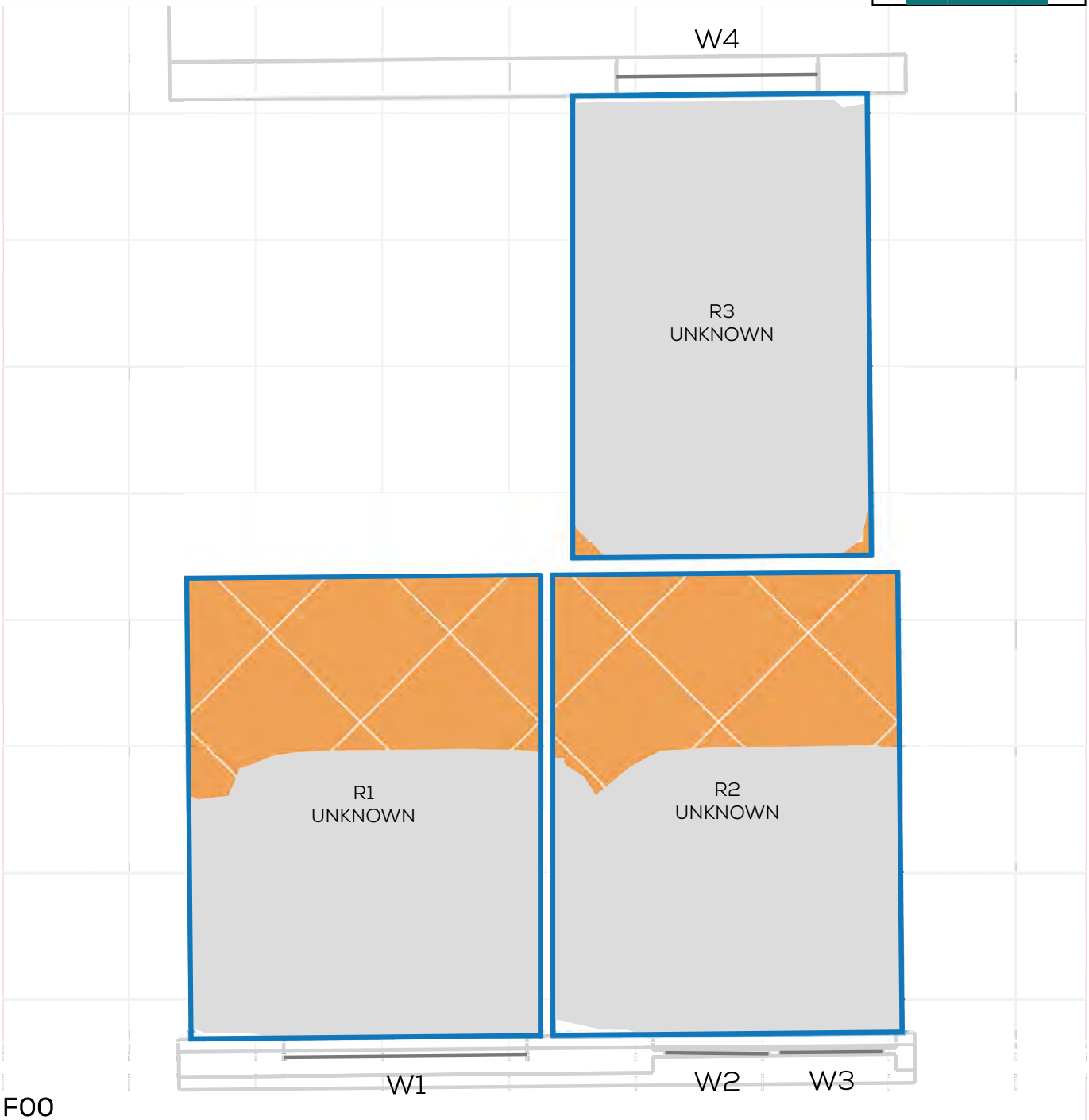
NSL CONTOURS

PROJECT: 14047 - CAMBRIDGE ROAD
REPORT TITLE: EXISTING VS. PROPOSED
ADDRESS: 6 CHESTERTON TERRACE
DATE: 02/12/2021
SCHEME IR: IR23 (07.09.2020)
DRAWING No.: 14047-REL15-IS01-DD27

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID





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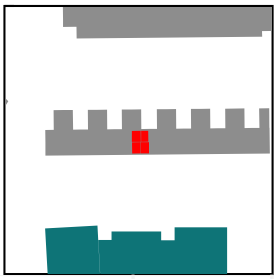
NSL CONTOURS

PROJECT:	14047 - CAMBRIDGE ROAD
REPORT TITLE:	EXISTING VS. PROPOSED
ADDRESS:	6 CHESTERTON TERRACE
DATE:	02/12/2021
SCHEME IR:	IR23 (07.09.2020)
DRAWING No.:	14047-REL15-IS01-DD28

KEY:

- GAIN
- LOSS
- MAINTAINED LIT AREA
- 1 METRE GRID



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