

## Hillingdon Gardens

---

Verified Views - V3D 170401

December 2019



Content

1.0 Introduction	5
2.0 Methodology	5
3.0 Viewpoint Location Plan	6
4.0 Illustrative Masterplan	7
5.0 Viewpoint 1	8
6.0 Viewpoint 2	10
7.0 Viewpoint 3A	12
8.0 Viewpoint 3B	14
9.0 Viewpoint 4A	18
10.0Viewpoint 4B	20
11.0Viewpoint 4C	22
12.0Viewpoint 5A	24
13.0Viewpoint 5B	26
14.0Viewpoint 5C	28
15.0Viewpoint 6	32
16.0Viewpoint 7	34
17.0Viewpoint 8	36
18.0Viewpoint 9	38
19.0Viewpoint 10	40
20.0Viewpoint 11	42
21.0Viewpoint 12	44
22.0Viewpoint 13	46
23.0Viewpoint 14	48
24.0Viewpoint 15	50
25.0Viewpoint 16	52





1.0 Introduction

- 1.1. Verified View / Accurate Visual Representation
- 1.1.1.

A Verified View (VV) or Accurate Visual Representation (AVR) is *“a still image, or animated sequence of images, intended to convey reliable visual information about a proposed development to assist the process of visual assessment”*.<sup>1</sup>
- 1.1.2.

This document applies current good practice in preparing verified views of a proposed development. Views are from what is considered to be the most representative viewpoints in the area surrounding the site.
- 1.1.3.

The current practice guides this process is informed by include:
  - The Landscape Institute’s, ‘Technical Guidance Note 06/19 : Visual Representation of Development Proposals’
  - ‘Guidelines for Landscape and Visual Impact Assessment’ Third edition April 2013, The landscape institute and Institute of Environmental Assessment and Management.
  - ‘London View Management Framework’, (March 2012) Published by Greater London Authority.
- 1.1.4.

It is advised (within the Landscape Institute’s Technical Guidance Note 06/19) that the viewing distance for the montages from eye to paper should be shown at 30-50cm. These figures determine the horizontal field of view and in this assessment, it is shown at 72 degrees so that they can be viewed at 30cm when printed at A3.

2.0 Methodology

- 2.1. Overview
- 2.1.1.

In preparing the verified views/photomontages, accurate photography is required, with survey information recorded, and an accurate model of the application parameters prepared. In simple terms, this allows a ‘virtual’ viewpoint to be constructed that accurately reflects an actual photograph, which in turn allows a wireline (representing the outline of the proposed development form) or fully rendered image of the proposed development to be accurately superimposed on the existing photograph.
- 2.2. Photography
- 2.2.1.

In accordance with current guidance, on-site photography records the position (as a grid reference), height of camera lens, camera used, lens type and focal length, field of view, date and time. Photographs were recorded at 1.6 metres above ground level to reflect the pedestrian eye height. Photographs are taken with a fixed 50mm focal length lens attached to a SLR camera (Canon EOS 5D MKII).

2.2.2.

In assessing the impact of development on the landscape it is often necessary to record a panoramic view. A panorama made up from planar photographs is not strictly a ‘true panorama’ due to distortion encountered from the rectilinear projection of the lens. This is best described by looking through the viewfinder as you rotate the camera, the objects near the centre get larger as they approach the edge of the frame. Accurate ‘stitching software’ overcomes this effect by distorting each image into a cylindrical projection before aligning and blending, to reflect as accurately as possible the experience of the human eye.
- 2.3. Survey Information
- 2.3.1.

On site surveying is carried out at the same time that the photographs are taken to record the position and height (Above Ordnance Datum) of the camera and its tripod alongside a range of 6 to 10 physical reference points per viewpoint (such as telegraph poles, road signs, or in the absence of sufficient existing reference points, ranging poles). To ensure the accuracy, the surveyed data was cross-referenced against OS information as well as the topographical site survey. This data is subsequently transferred into computer modelling software to produce an accurate ‘virtual’ view reflecting the actual panoramic photograph. Reference points are captured by a Total Station (the surveyors on-site equipment) with an electronic distance meter (EDM) which reads slope distances from the instrument to a particular point. These points are used to align the computer image against the photography.

- 2.4. Scheme Parameters Modelling
- 2.4.1.

The Illustrative Masterplan on pg7 provides a layout that is reflective of how the proposed application site could be developed, and is therefore considered to be an acceptable basis for verified view production. The 3D model has been formed with reference to the plan and elevation drawings (prepared by ColladoCollinsArchitects).
- 2.5. Camera Matching
- 2.5.1.

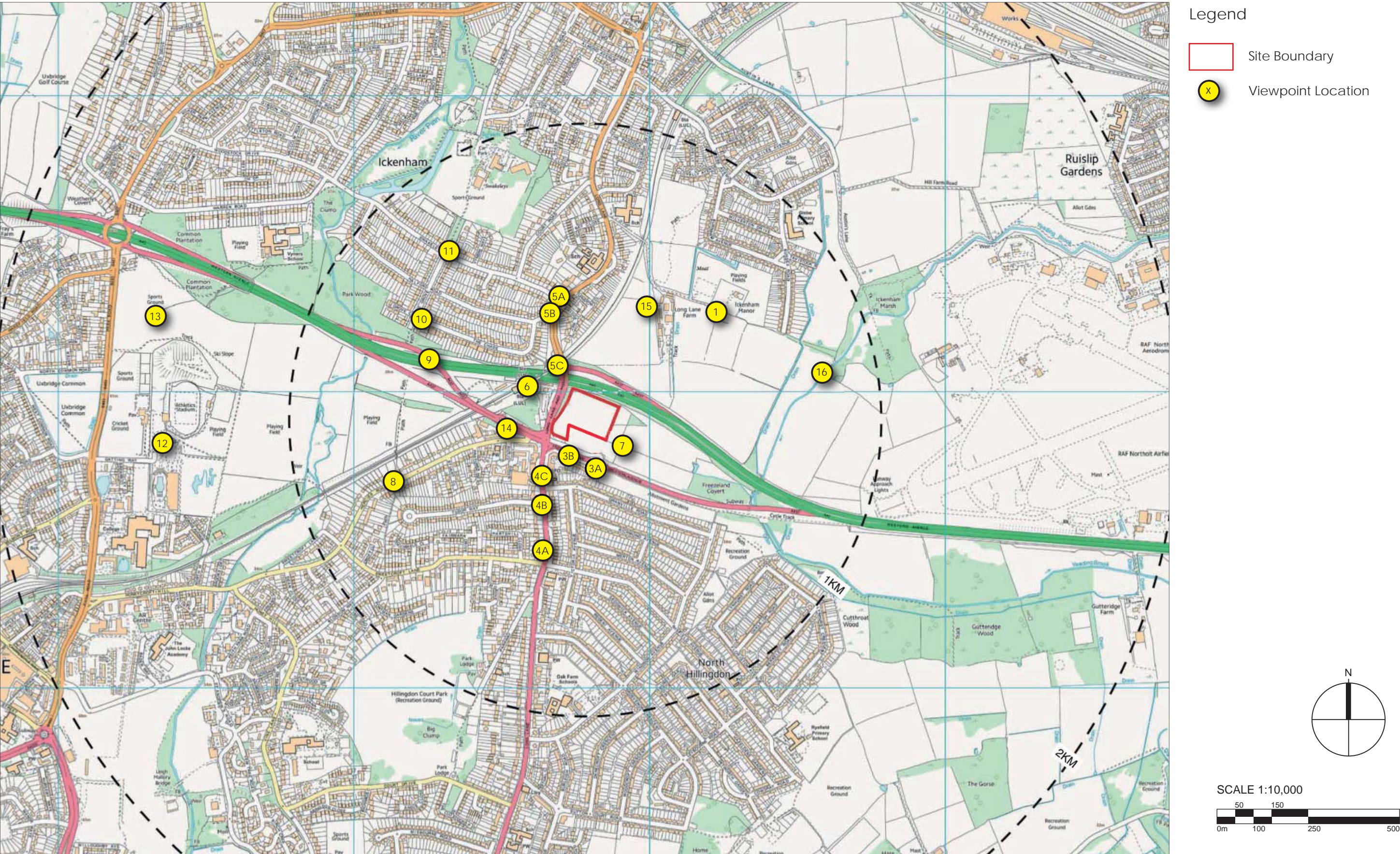
Having accurately modelled the scheme, a series of computer generated images are constructed from the exact viewpoint locations and have cylindrical projection applied before photo-stitching to match the panoramic photographs, thus creating a ‘virtual’ panorama of the proposed development. With the virtual and photographic images overlaid with each other, common (surveyed) reference points are used to align both the virtual and photographic image before the wireline is drawn.
- Proposed Development

Not visible

<sup>1</sup> London View Management Framework March 2012



3.0 Viewpoint Location Plan





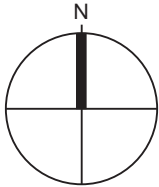
4.0 Illustrative Masterplan



Legend

Site Boundary

Council Owned Land



NTS.

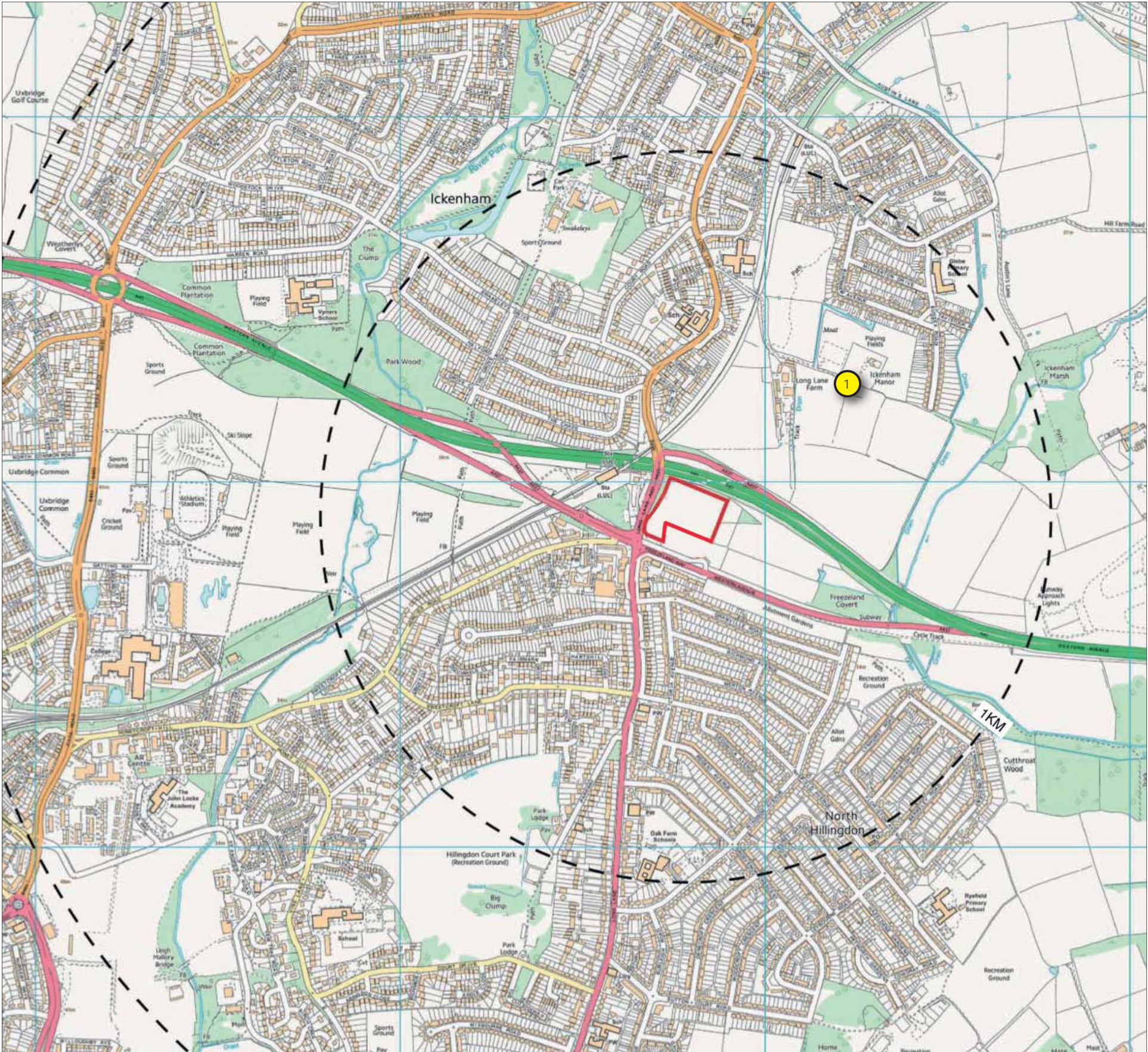


5.0 Viewpoint 1

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

The field to the south of Ickenham Manor  
508220.0370, 185277.1020  
SLR Canon EOS 5D MKII  
Fixed 50mm  
38.51 AOD  
72 °  
09.05.17  
11.24

Tripod Location





5.1. Viewpoint 1



5.1.1. Extended panorama



5.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

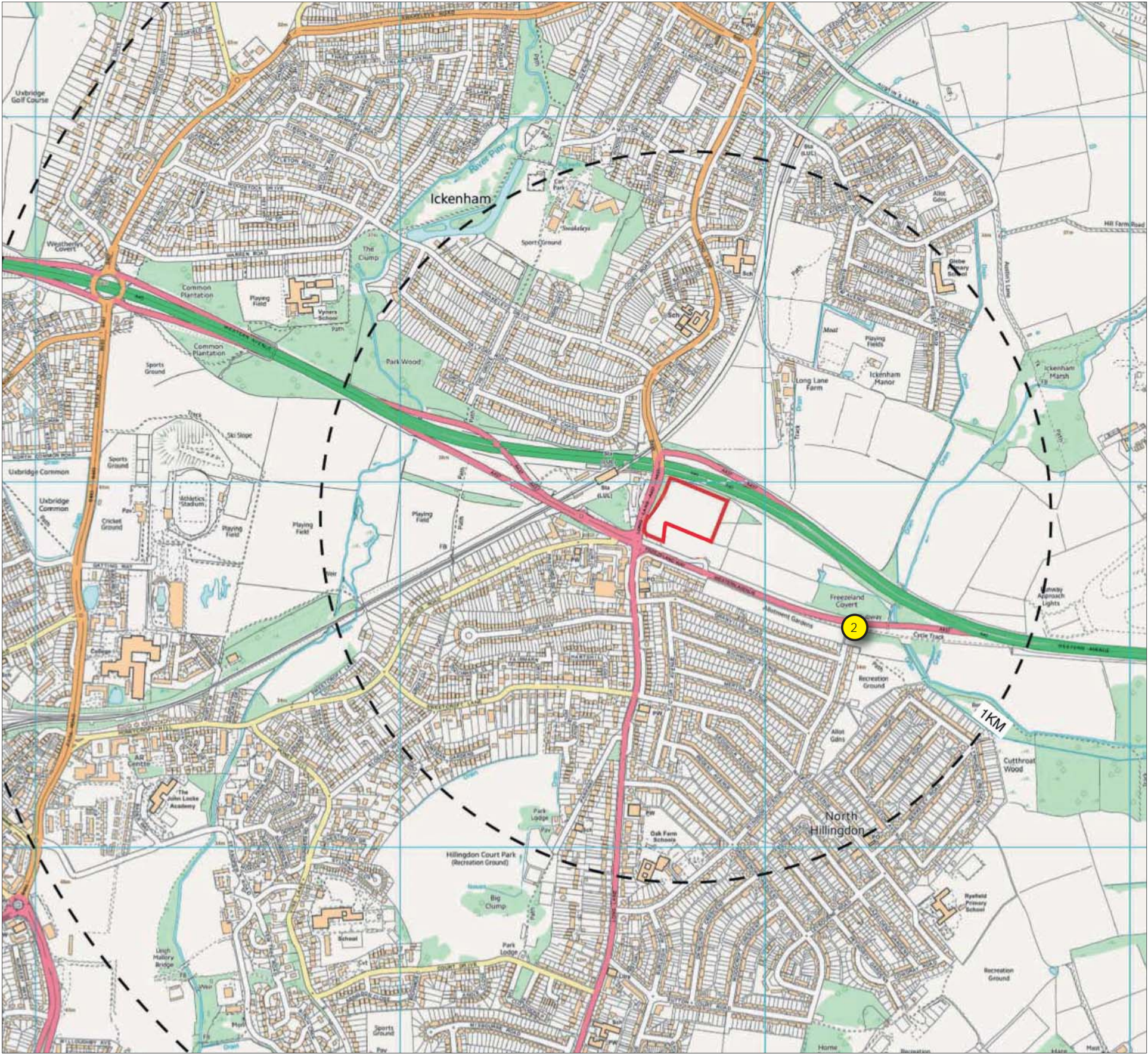


6.0 Viewpoint 2

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Hillingdon Trail / Freezeland Way A437  
508250.5270, 184595.8000  
SLR Canon EOS 5D MKII  
Fixed 50mm  
36.37 AOD  
72 °  
03.12.19  
09.05

Tripod Location

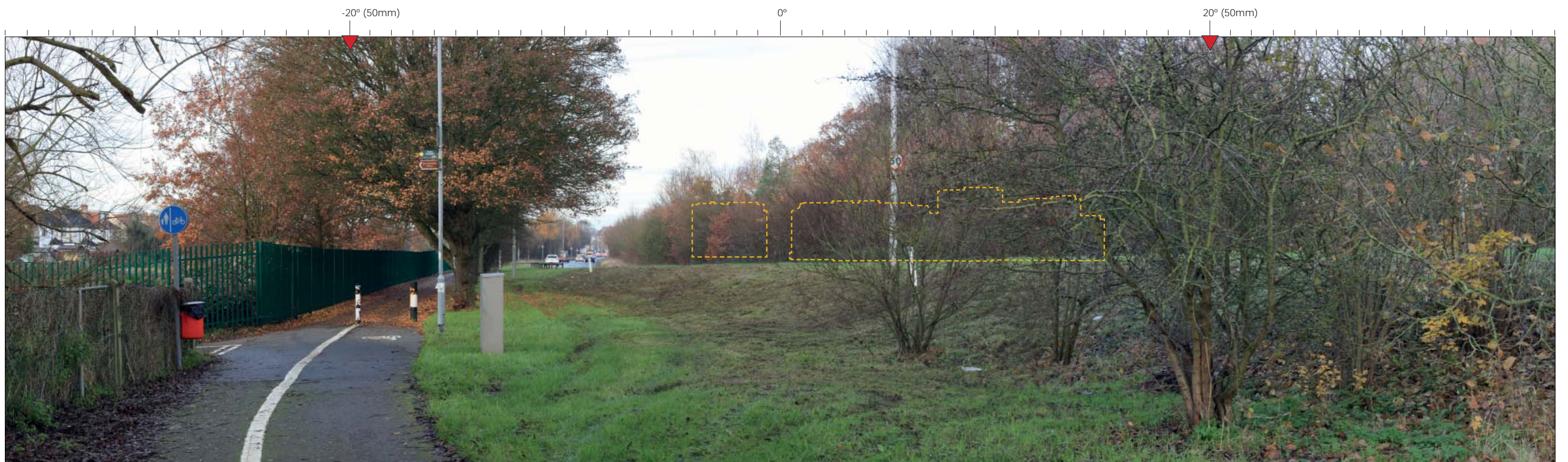




6.1. Viewpoint 2



6.1.1. Extended panorama



6.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

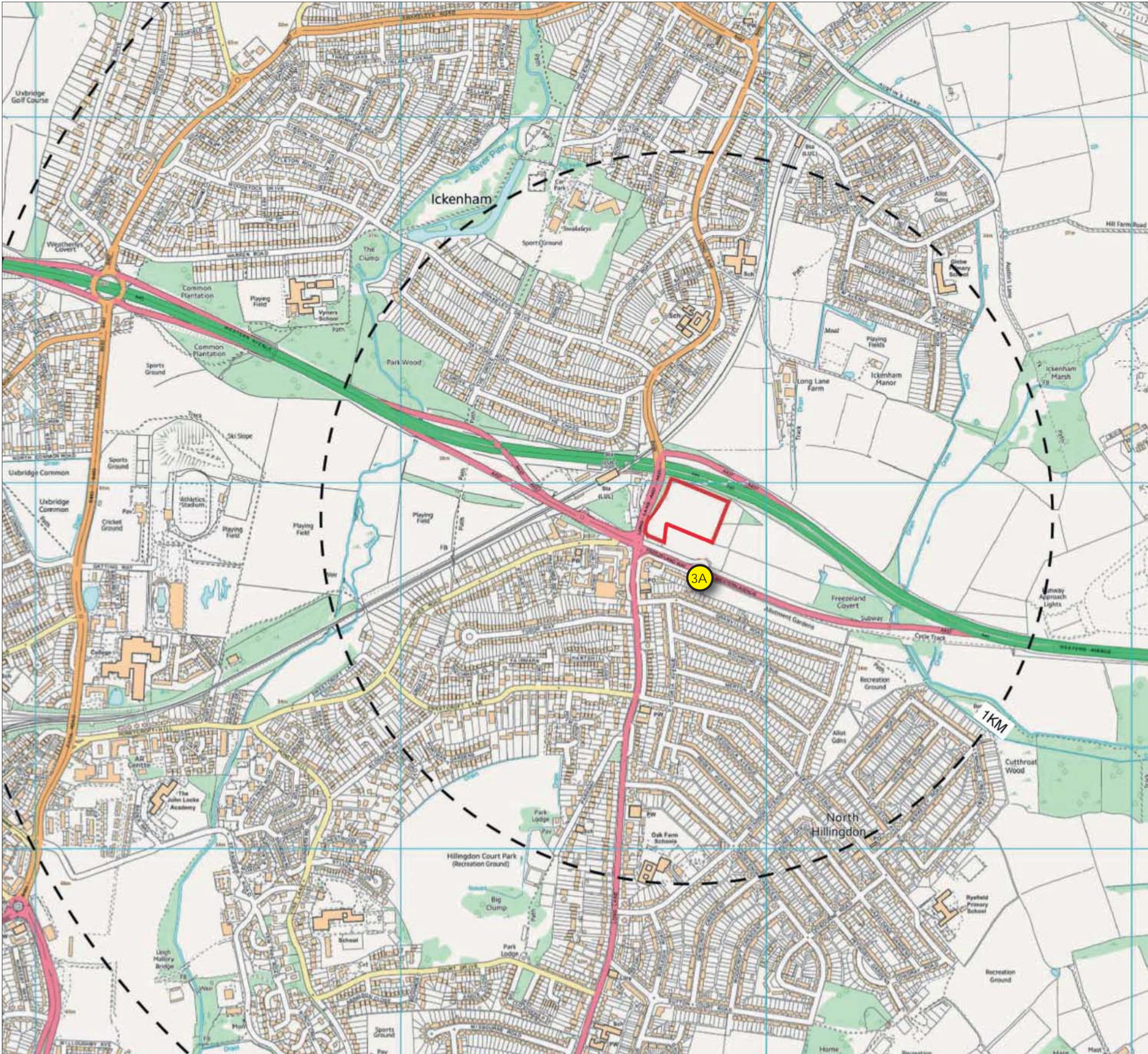


7.0 Viewpoint 3A

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Hillingdon Trail / Western Avenue A437  
507828.2110, 184732.7350  
SLR Canon EOS 5D MKII  
Fixed 50mm  
37.20 AOD  
72 °  
09.05.17  
09.16

Tripod Location

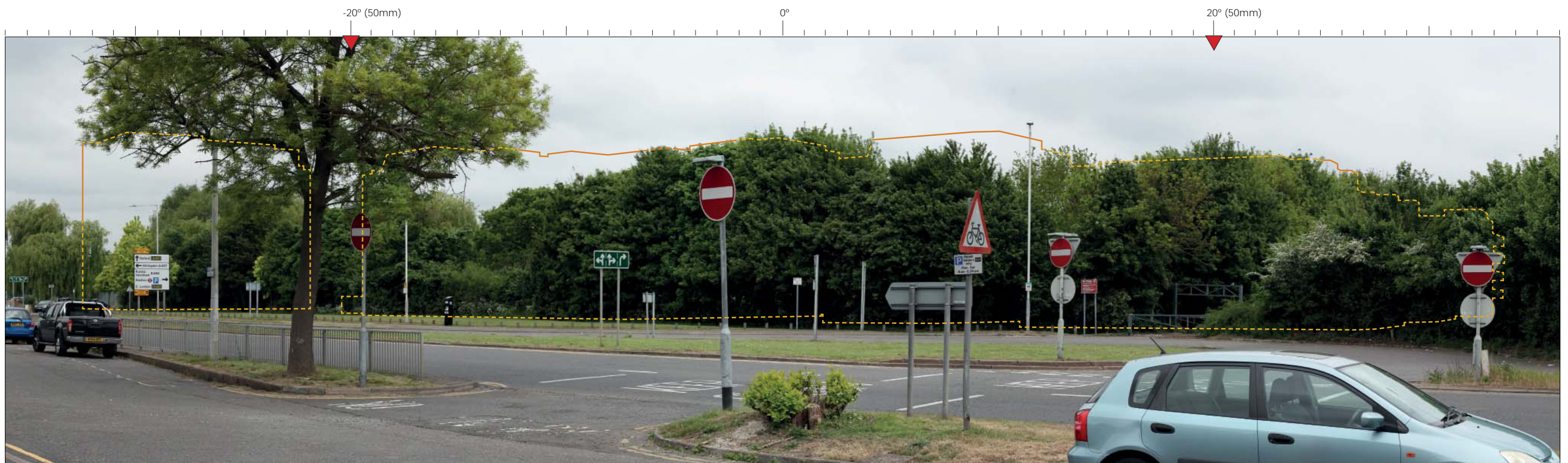




7.1. Viewpoint 3A



7.1.1. Extended panorama



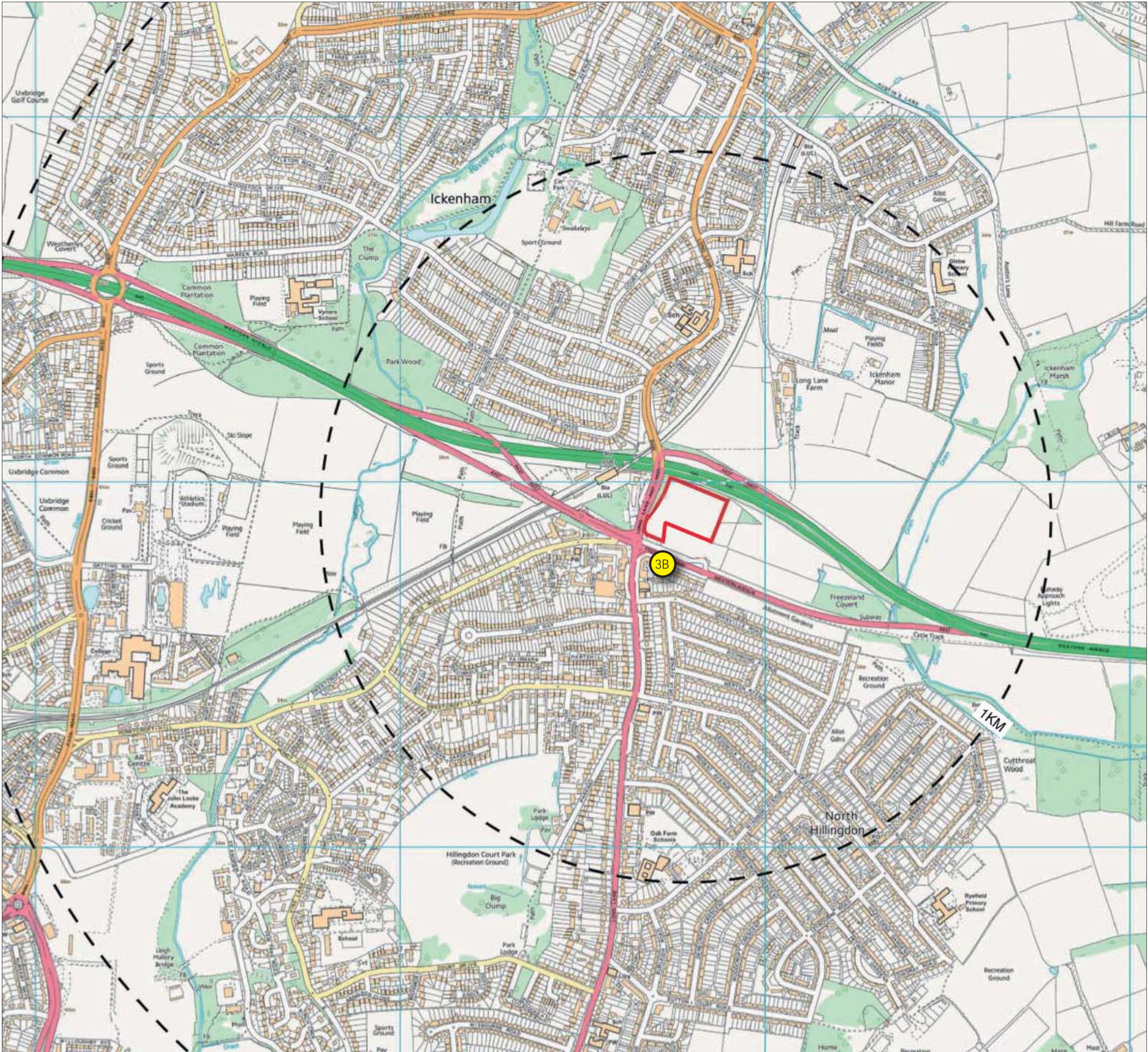
7.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**



8.0 Viewpoint 3B

Location Description: Freezeland Way  
National Grid Reference: 507724.7180, 184779.3370  
Camera: SLR Canon EOS 5D MKII  
Lens: Fixed 50mm  
Height of Camera Lens: 37.28 AOD  
Horizontal Field of View: 72 °  
Date: 03.12.19  
Time: 10.41

Tripod Location





8.1. Viewpoint 3B



8.1.1. Extended panorama









8.1.3. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

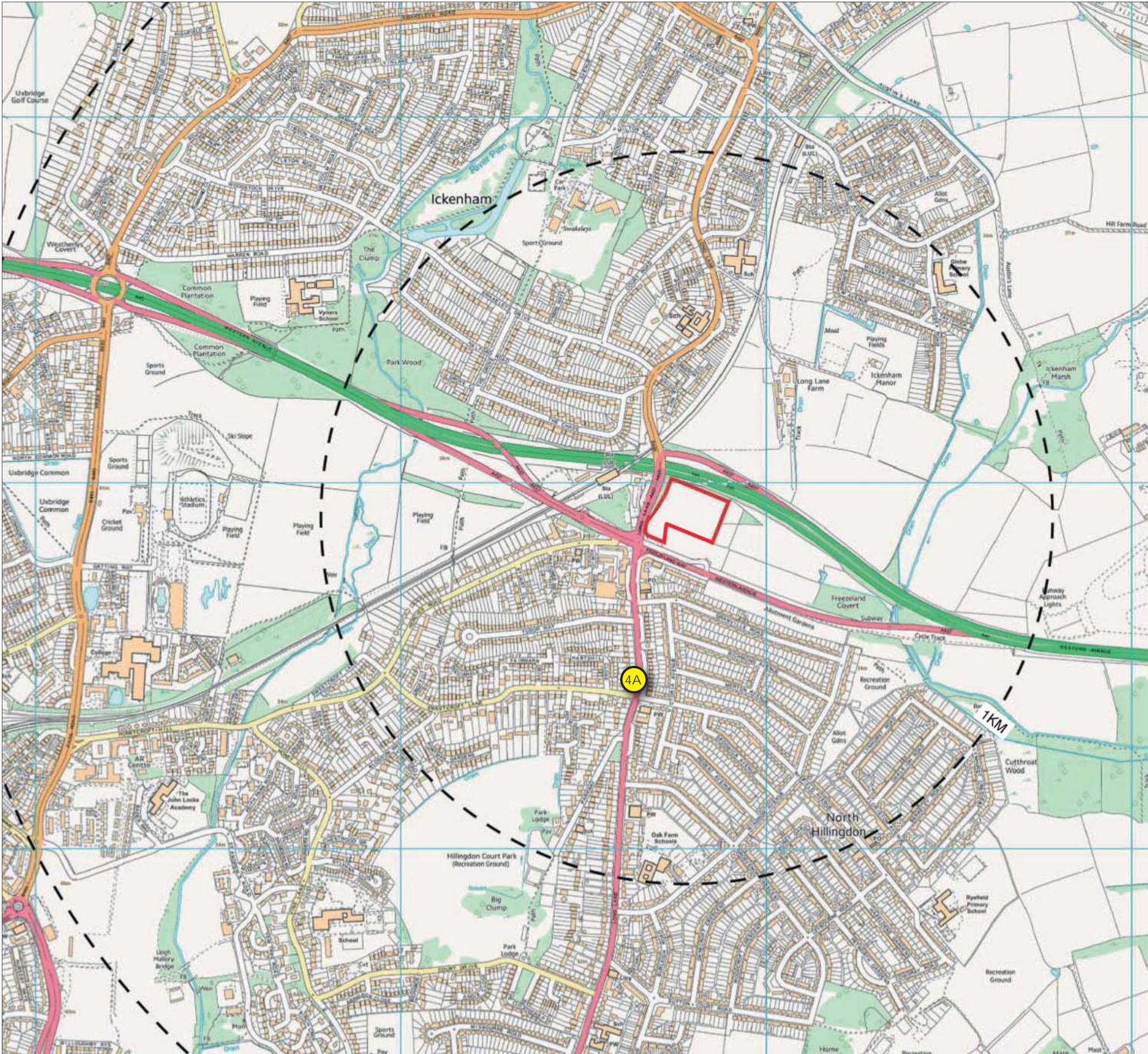


9.0 Viewpoint 4A

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Long Lane A437 / North Hillingdon  
507641.6340, 184467.9330  
SLR Canon EOS 5D MKII  
Fixed 50mm  
38.82 AOD  
72 °  
03.12.19  
11.25

Tripod Location





9.1. Viewpoint 4A



9.1.1. Extended panorama



9.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

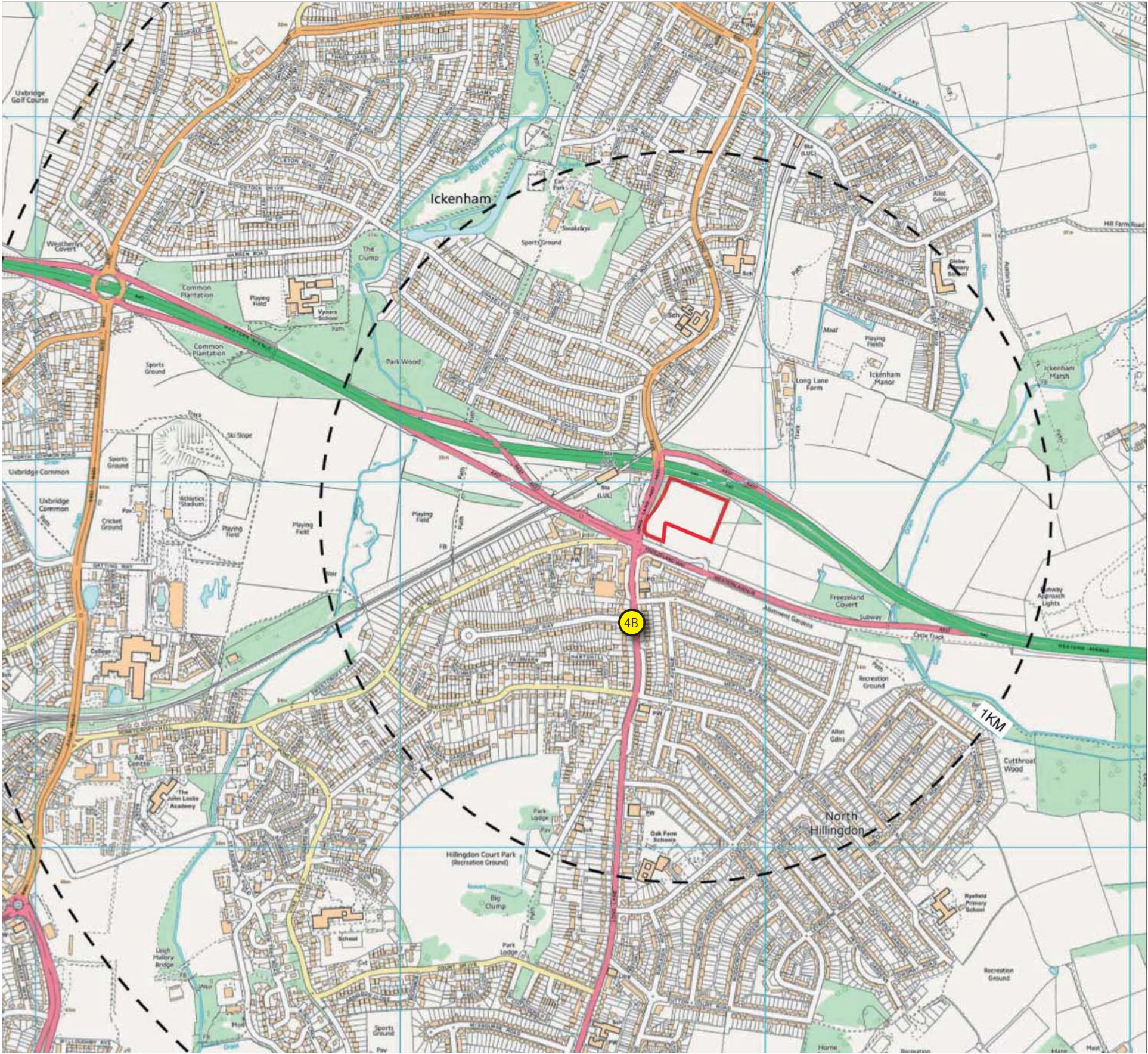


10.0Viewpoint 4B

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Long Lane A437 / North Hillingdon  
507634.9380, 184614.933  
SLR Canon EOS 5D MKII  
Fixed 50mm  
39.31 AOD  
72 °  
03.12.19  
11.41

Tripod Location





10.1. Viewpoint 4B



10.1.1. Extended panorama



10.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

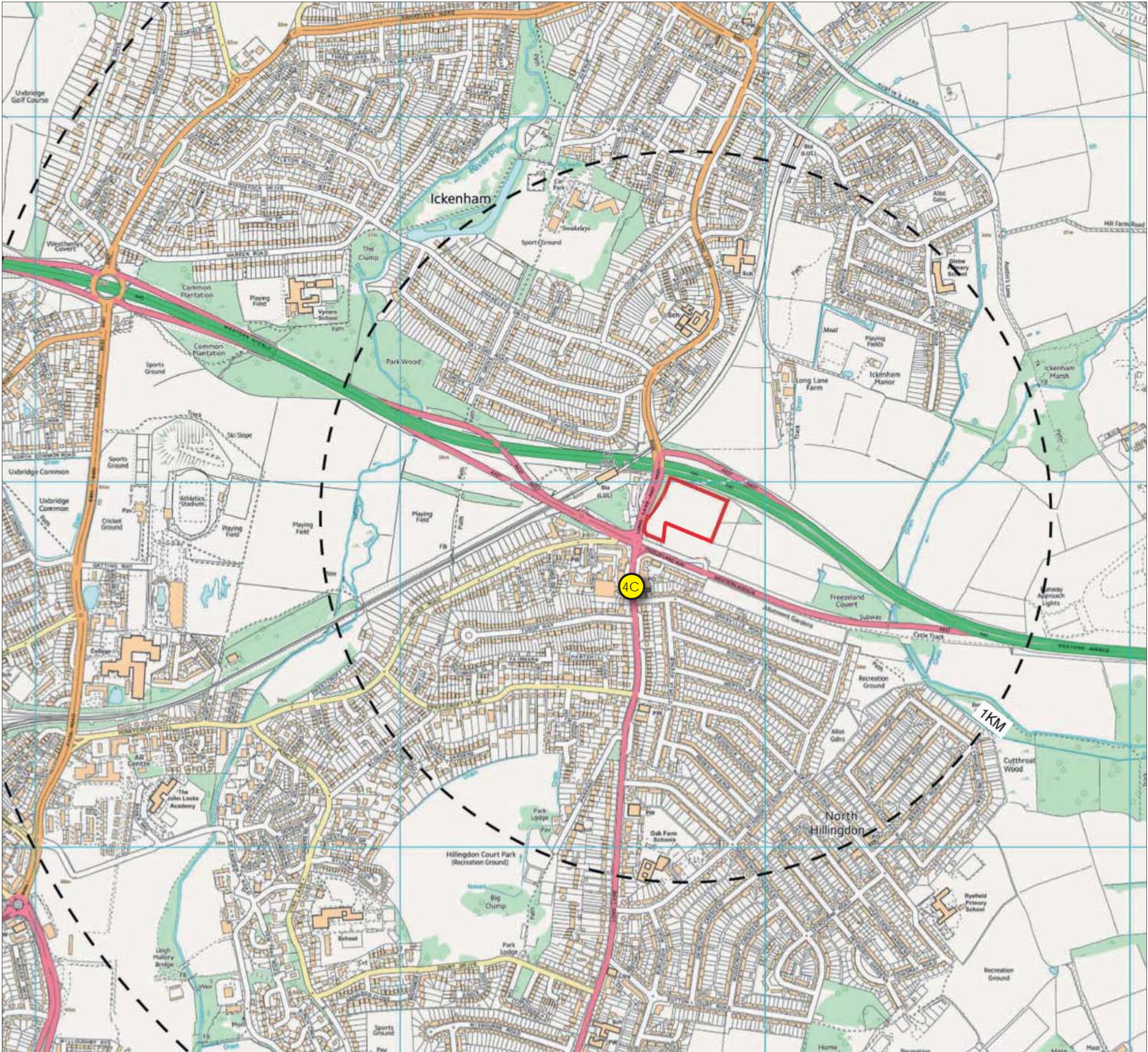


11.0Viewpoint 4C

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Long Lane A437 / North Hillingdon  
507625.8420, 184729.6290  
SLR Canon EOS 5D MKII  
Fixed 50mm  
38.33 AOD  
72 °  
03.12.19  
11.51

Tripod Location

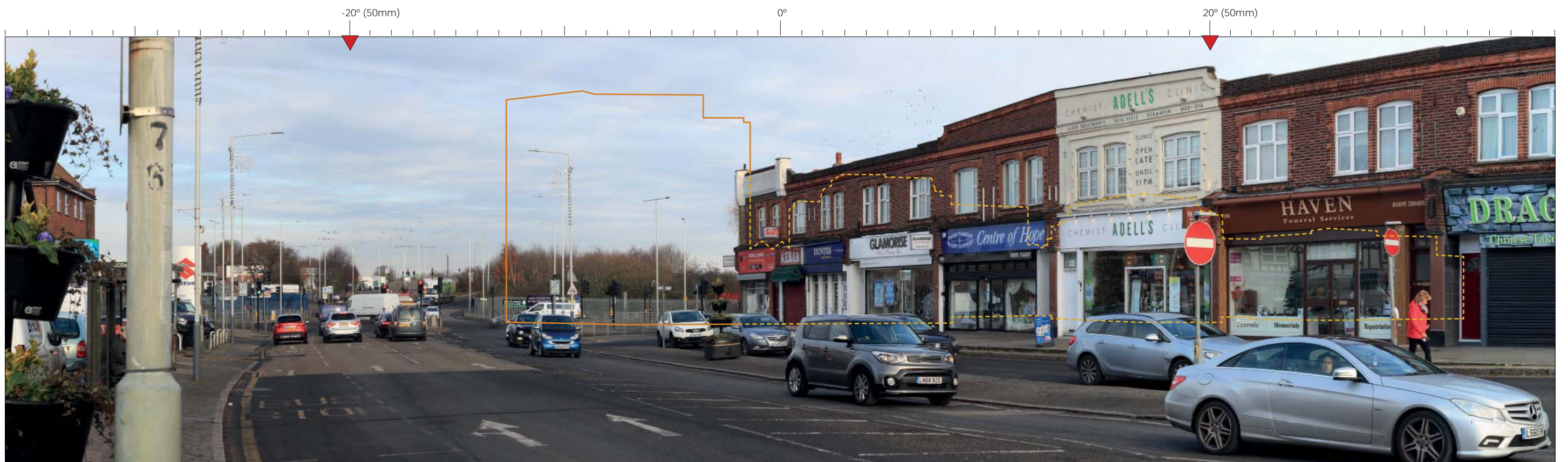




11.1. Viewpoint 4C



11.1.1. Extended panorama



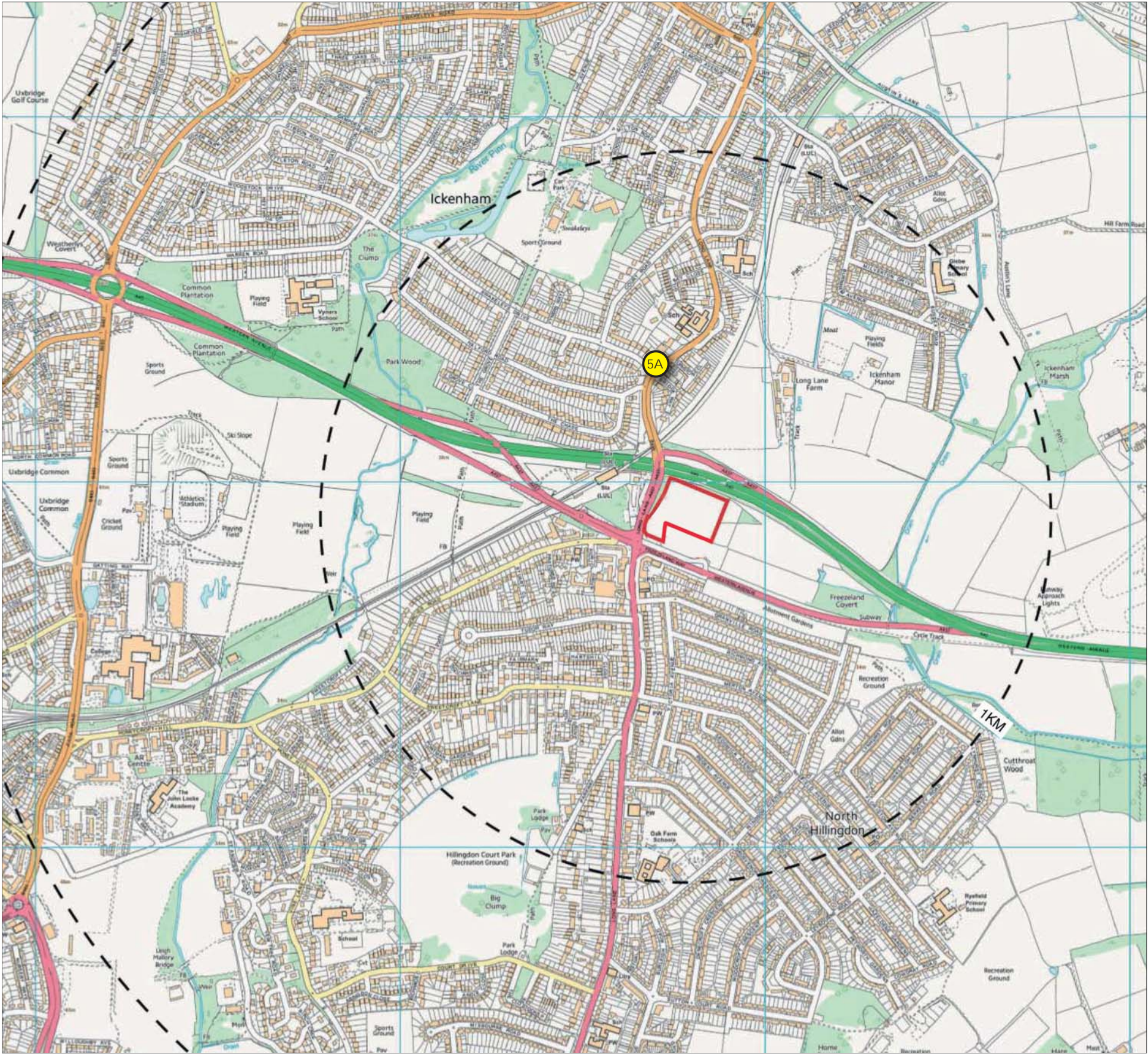
11.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. VD at 30cm



12.0Viewpoint 5A

Location Description: Long Lane B466  
National Grid Reference: 507689.3670, 185312.2810  
Camera: SLR Canon EOS 5D MKII  
Lens: Fixed 50mm  
Height of Camera Lens: 38.78 AOD  
Horizontal Field of View: 72 °  
Date: 03.12.19  
Time: 09.31

Tripod Location

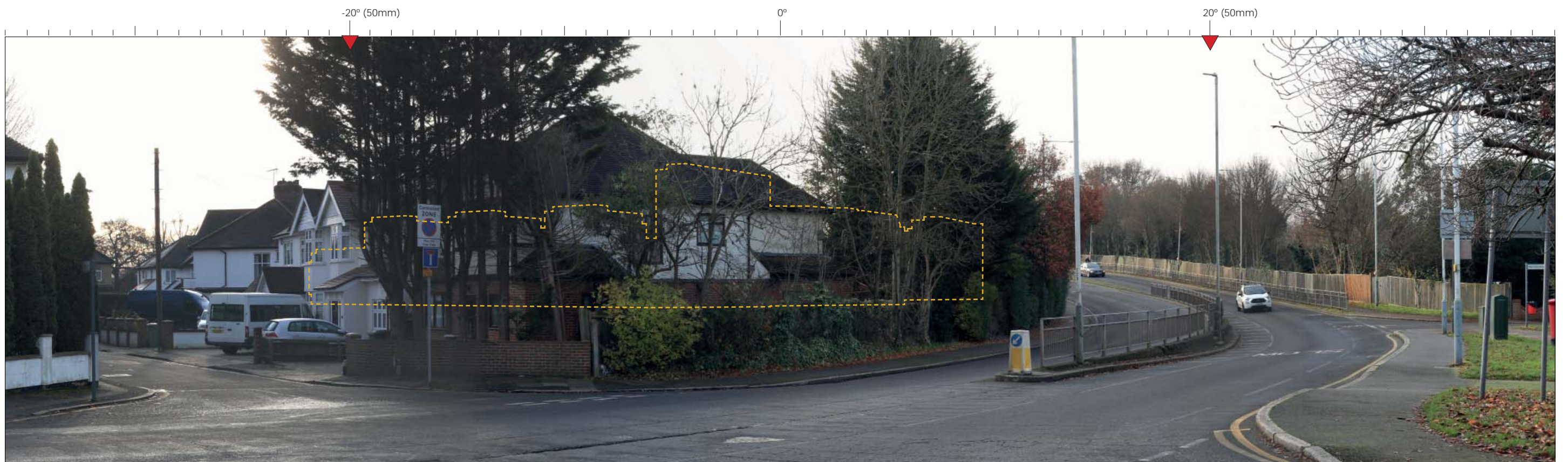




12.1. Viewpoint 5A



12.1.1. Extended panorama



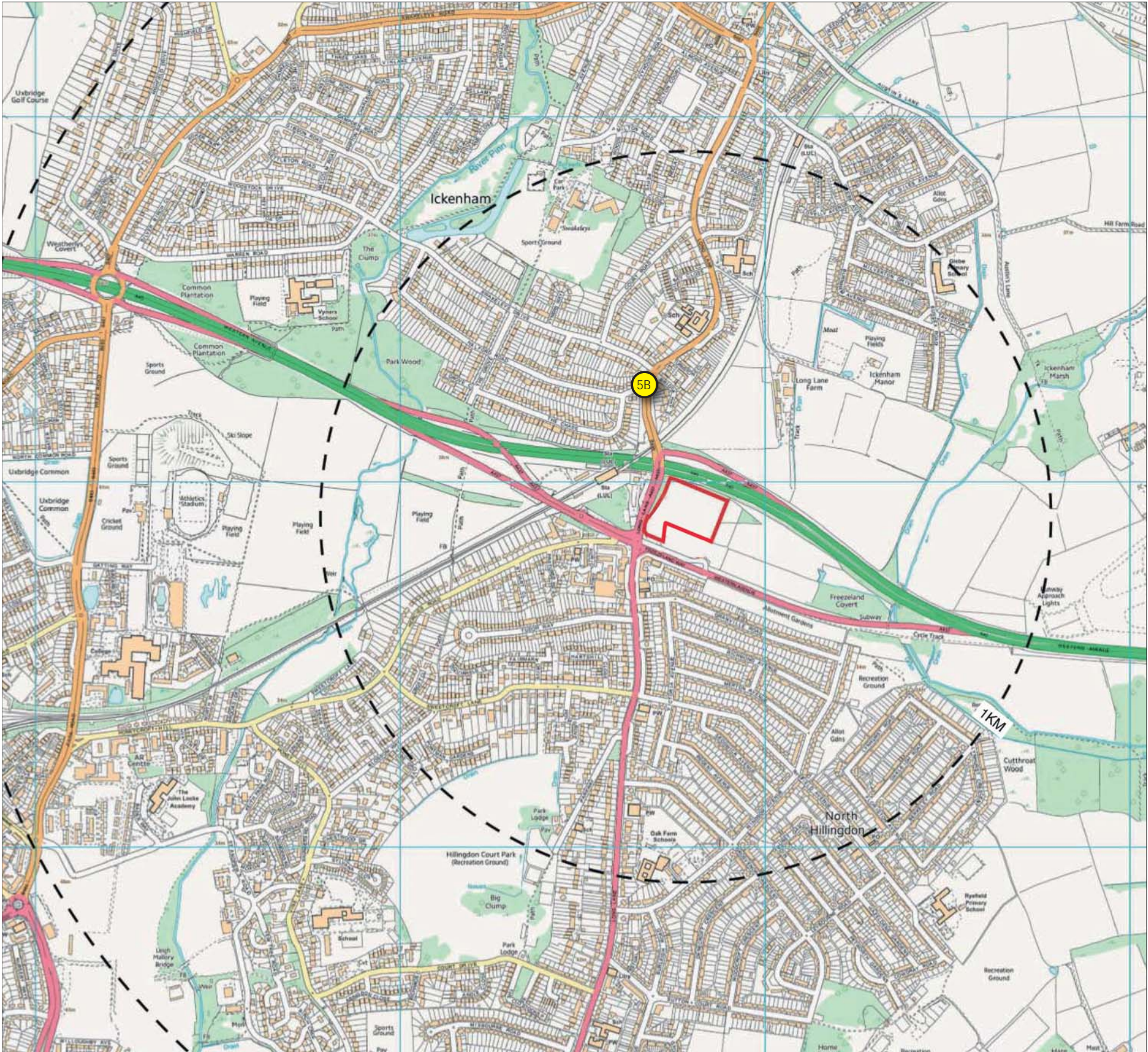
12.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**



13.0Viewpoint 5B

Location Description: Long Lane B466  
National Grid Reference: 507664.9450, 185264.9930  
Camera: SLR Canon EOS 5D MKII  
Lens: Fixed 50mm  
Height of Camera Lens: 38.51 AOD  
Horizontal Field of View: 72 °  
Date: 03.12.19  
Time: 09.37

Tripod Location

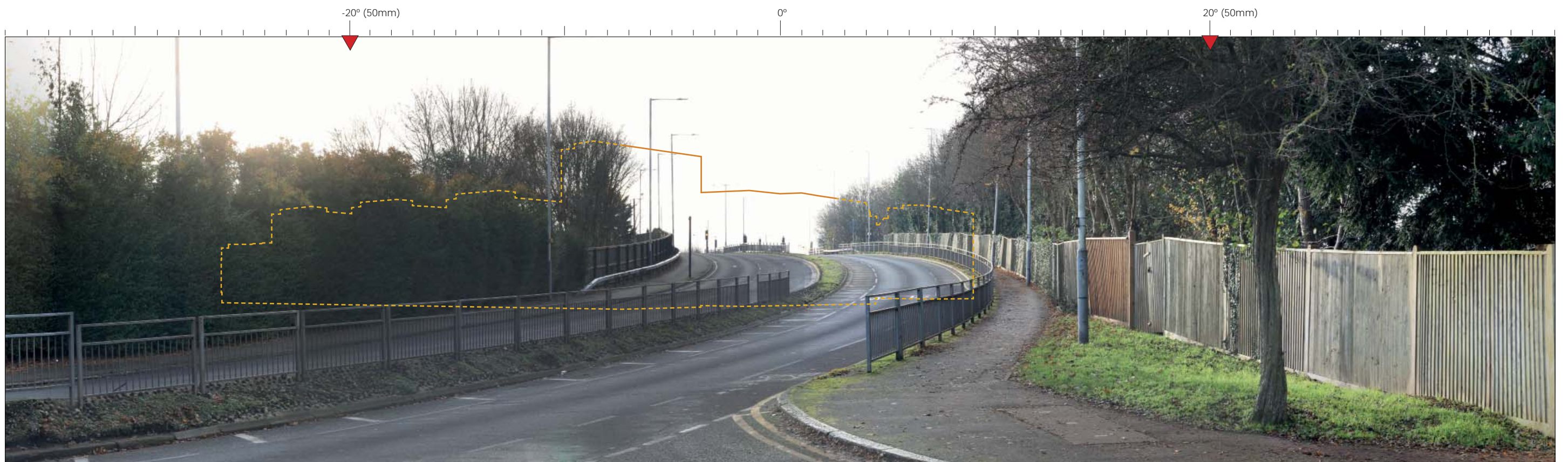




13.1. Viewpoint 5B



13.1.1. Extended panorama



13.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**



14.0Viewpoint 5C

Location Description:

Long Lane B466

National Grid Reference:

507693.9420, 185079.5460

Camera:

SLR Canon EOS 5D MKII

Lens:

Fixed 50mm

Height of Camera Lens:

44.51 AOD

Horizontal Field of View:

72 °

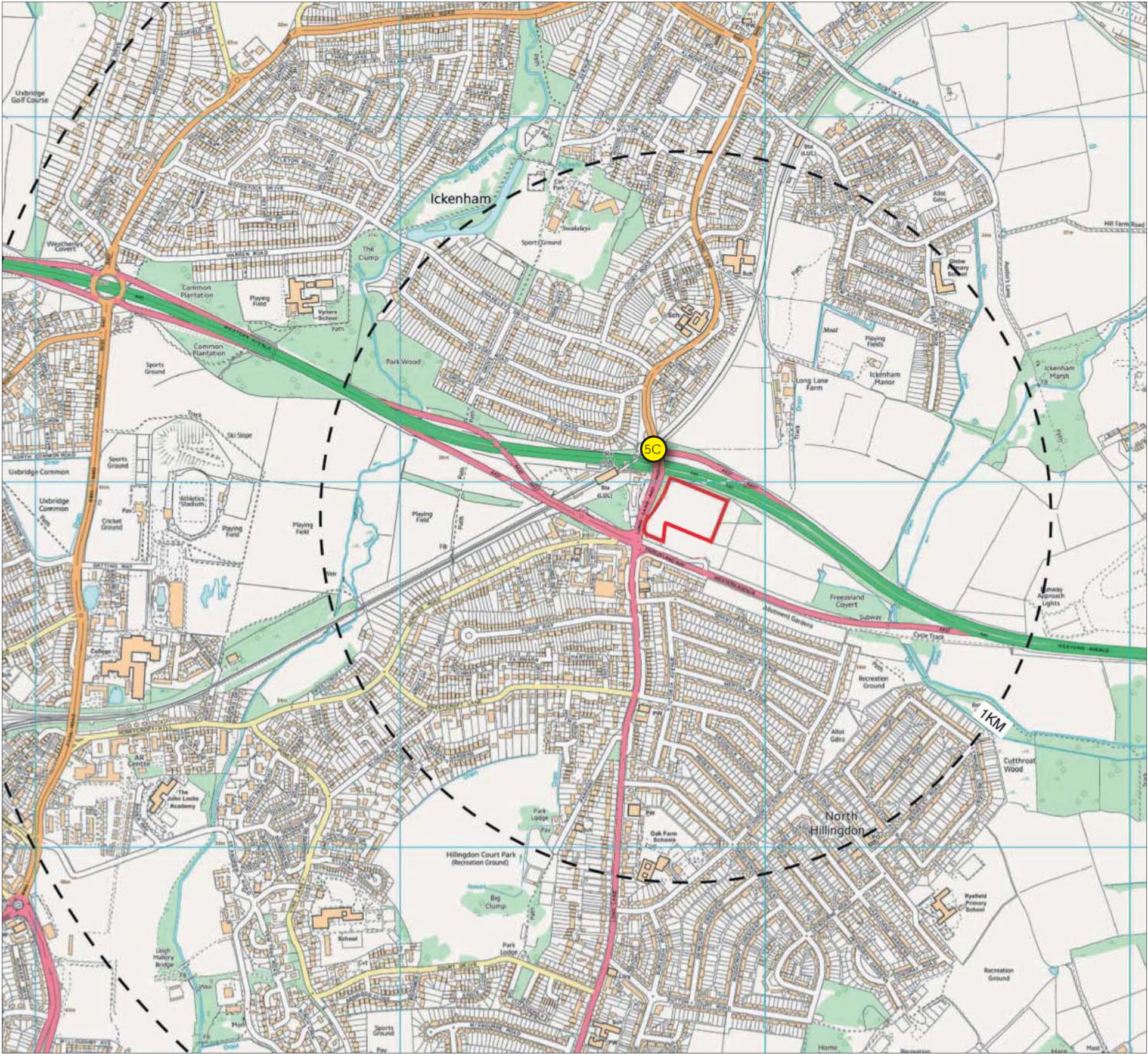
Date:

09.05.17

Time:

09.48

Tripod Location





14.1. Viewpoint 5C

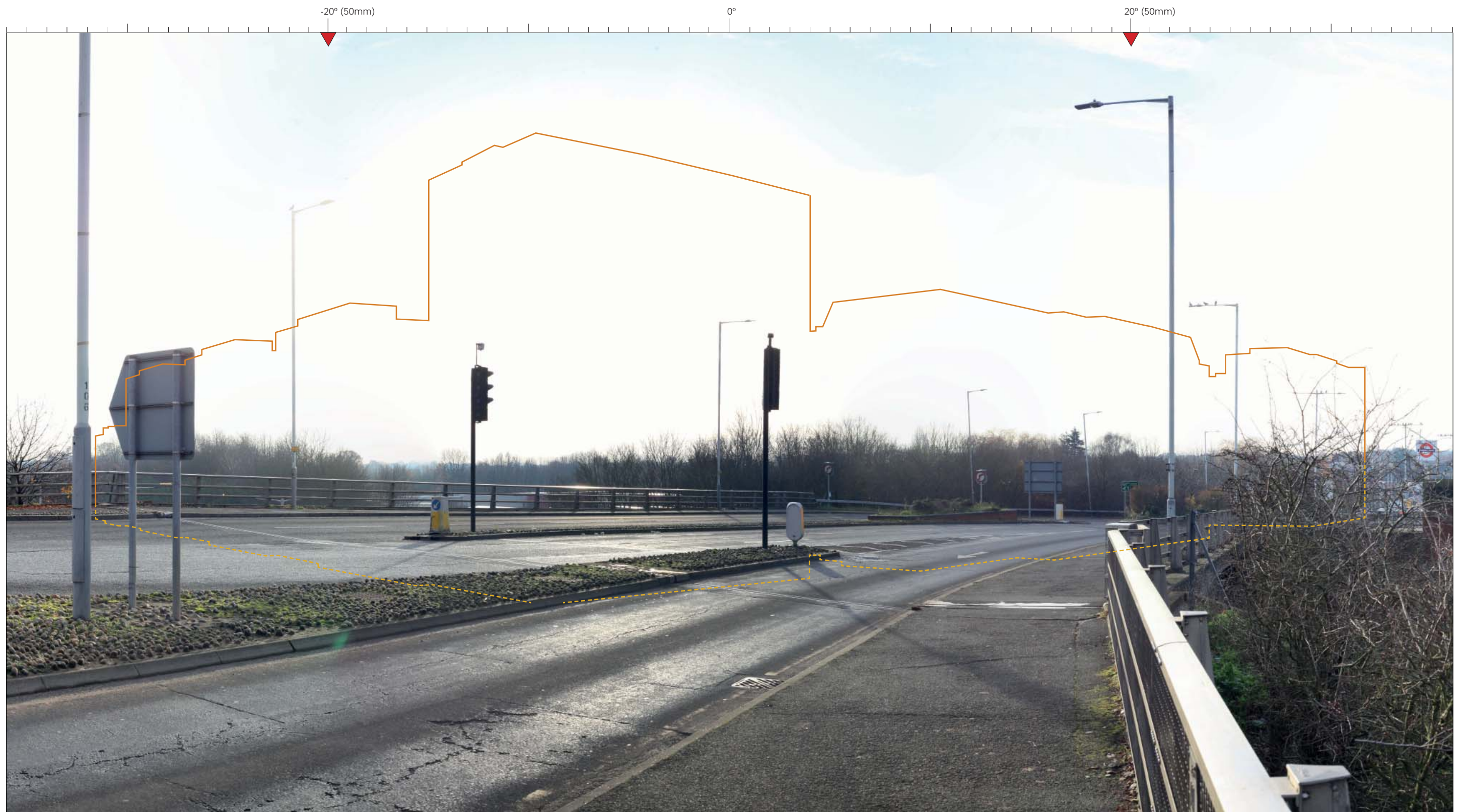


14.1.1. Extended panorama









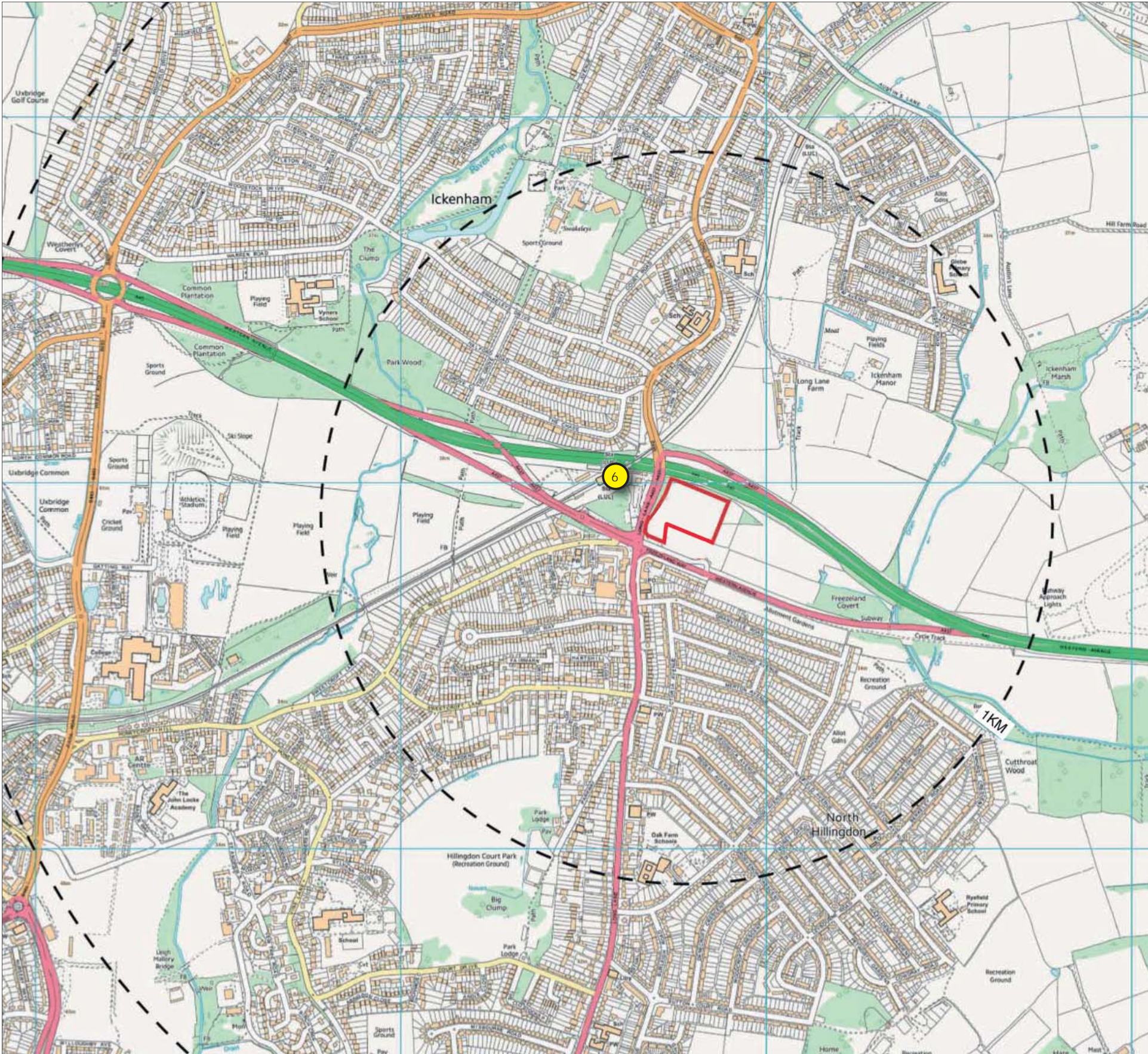


15.0Viewpoint 6

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Hillingdon Station  
507595.0490, 185021.9730  
SLR Canon EOS 5D MKII  
Fixed 50mm  
44.40 AOD  
72 °  
09.05.17  
11.24

Tripod Location

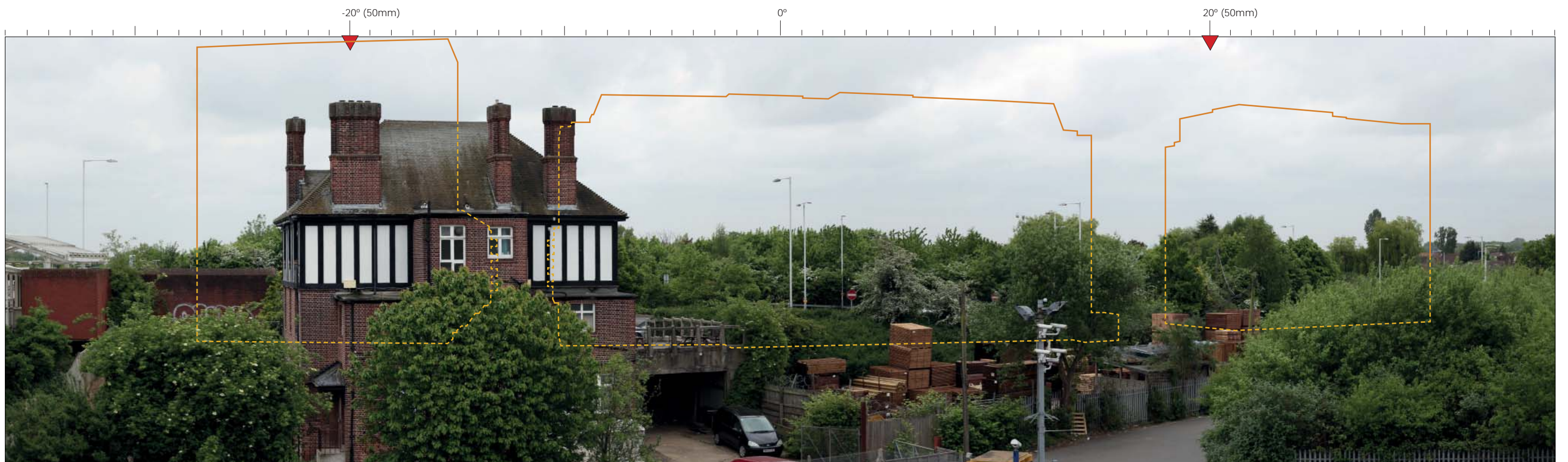




15.1. Viewpoint 6



15.1.1. Extended panorama



15.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

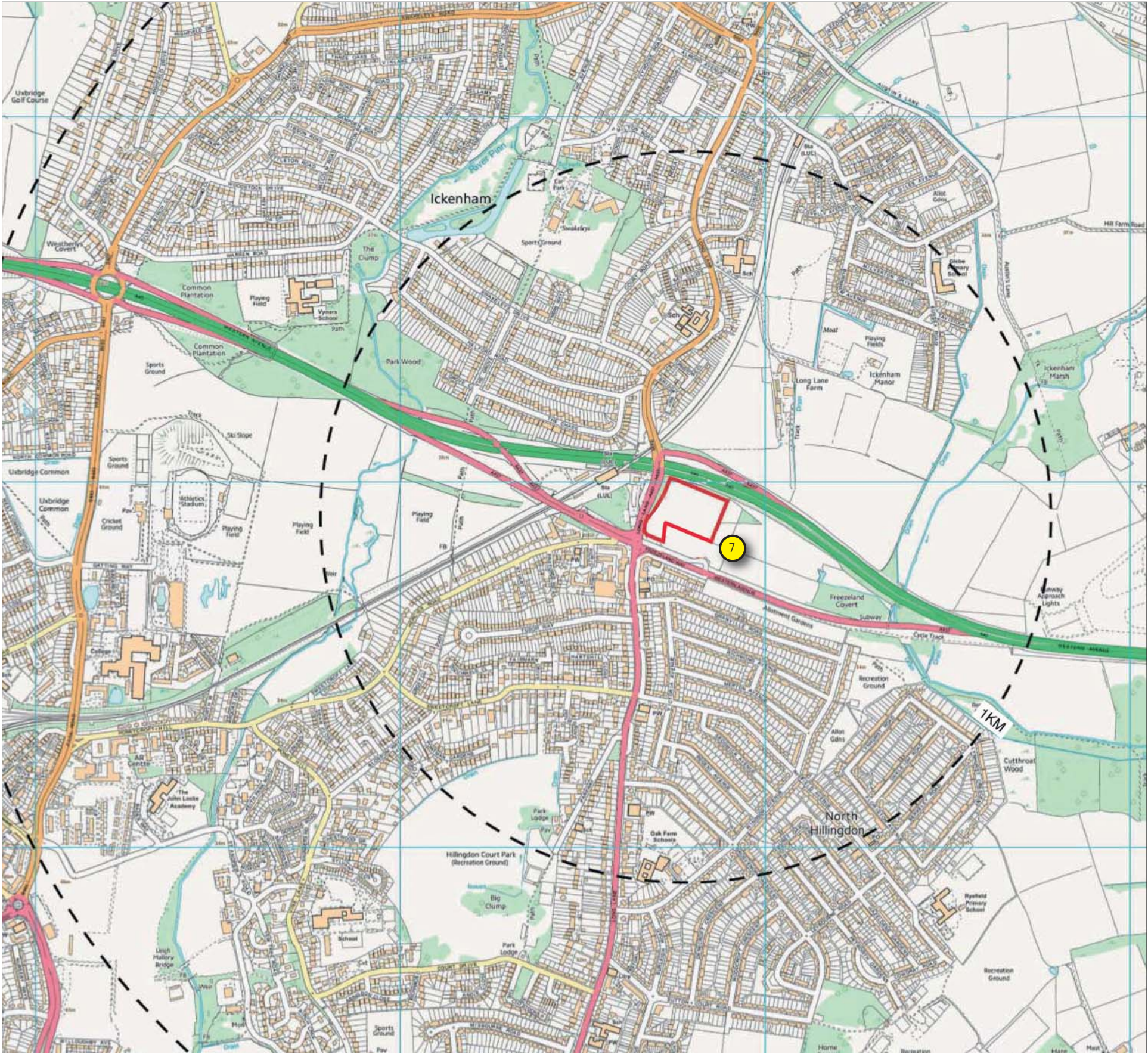


16.0Viewpoint 7

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

London Metropolitan Green Belt  
507895.2455, 184814.3597  
SLR Canon EOS 5D MKII  
Fixed 50mm  
36.33 AOD  
72 °  
04.12.19  
08.36

Tripod Location

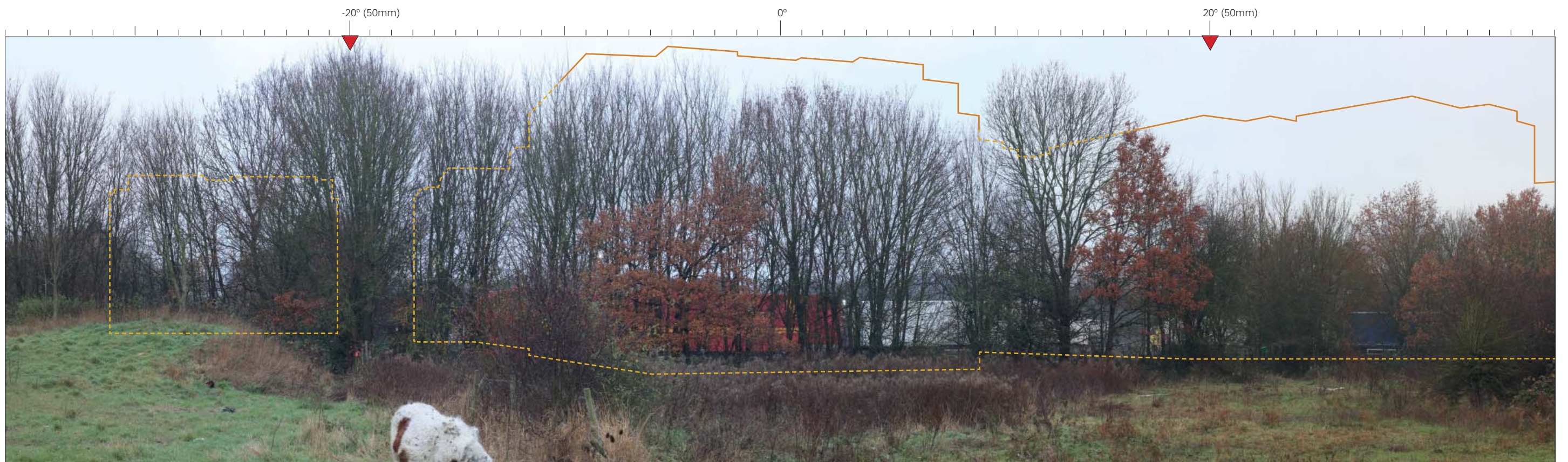




16.1. Viewpoint 7



16.1.1. Extended panorama



16.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

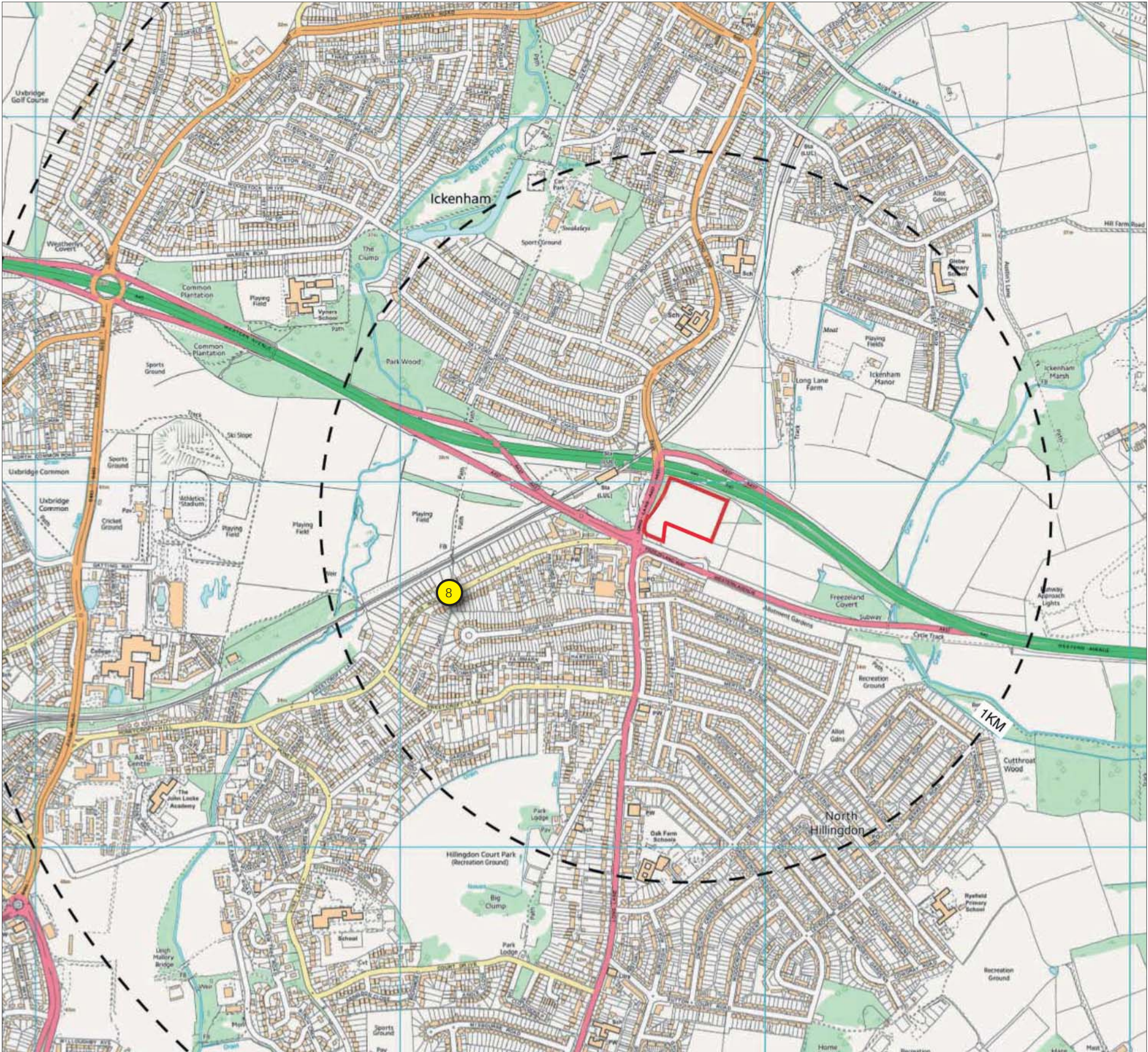


17.0Viewpoint 8

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Hercies Road / Public footpath ref: U90  
507161.1620, 184700.1730  
SLR Canon EOS 5D MKII  
Fixed 50mm  
40.19 AOD  
72 °  
16.05.17  
09.09

Tripod Location





17.1. Viewpoint 8



17.1.1. Extended panorama



17.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

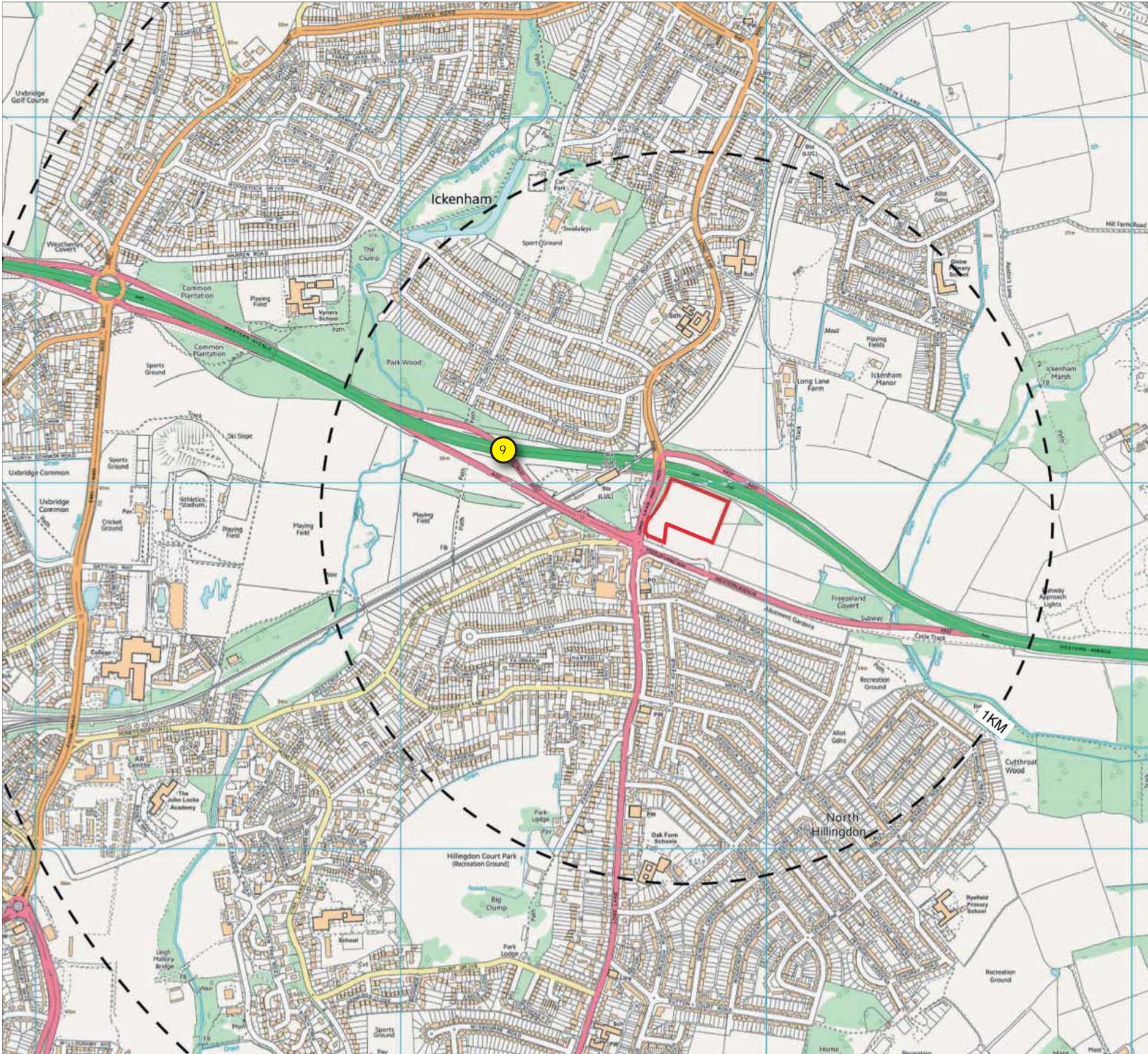


18.0Viewpoint 9

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Western Avenue A437 / A40 Slip Road  
507272.9860, 185102.1360  
SLR Canon EOS 5D MKII  
Fixed 50mm  
44.87 AOD  
72 °  
03.12.19  
10.25

Tripod Location





18.1. Viewpoint 9



18.1.1. Extended panorama



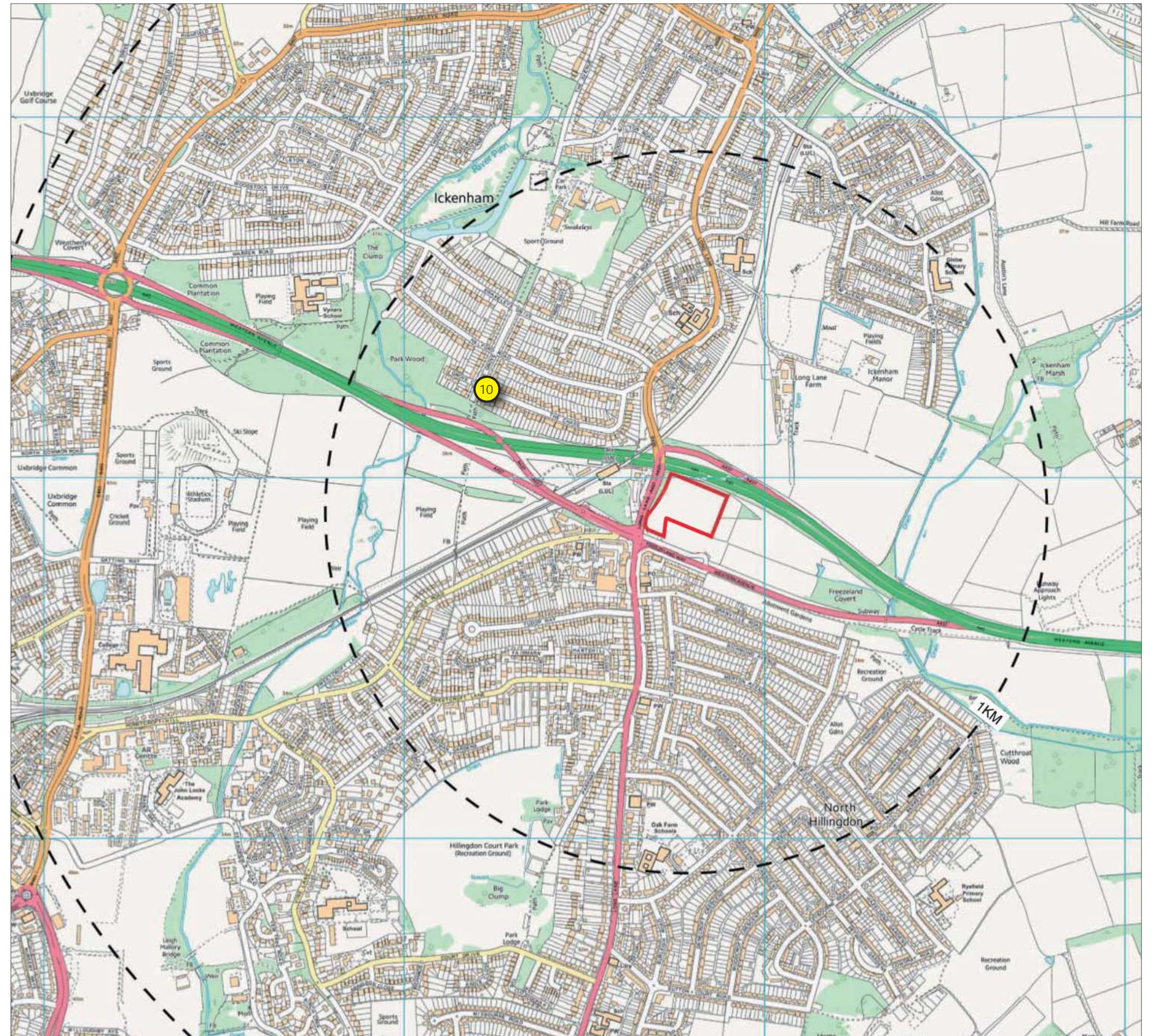
18.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**



## 19.0 Viewpoint 10

Location Description:	The Grove / The Chase (Ickenham)
National Grid Reference:	507254.3030, 185234.7320
Camera:	SLR Canon EOS 5D MKII
Lens:	Fixed 50mm
Height of Camera Lens:	40.05 AOD
Horizontal Field of View:	72 °
Date:	09.05.17
Time:	09.19

Tripod Location





19.1. Viewpoint 10



19.1.1. Extended panorama



19.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

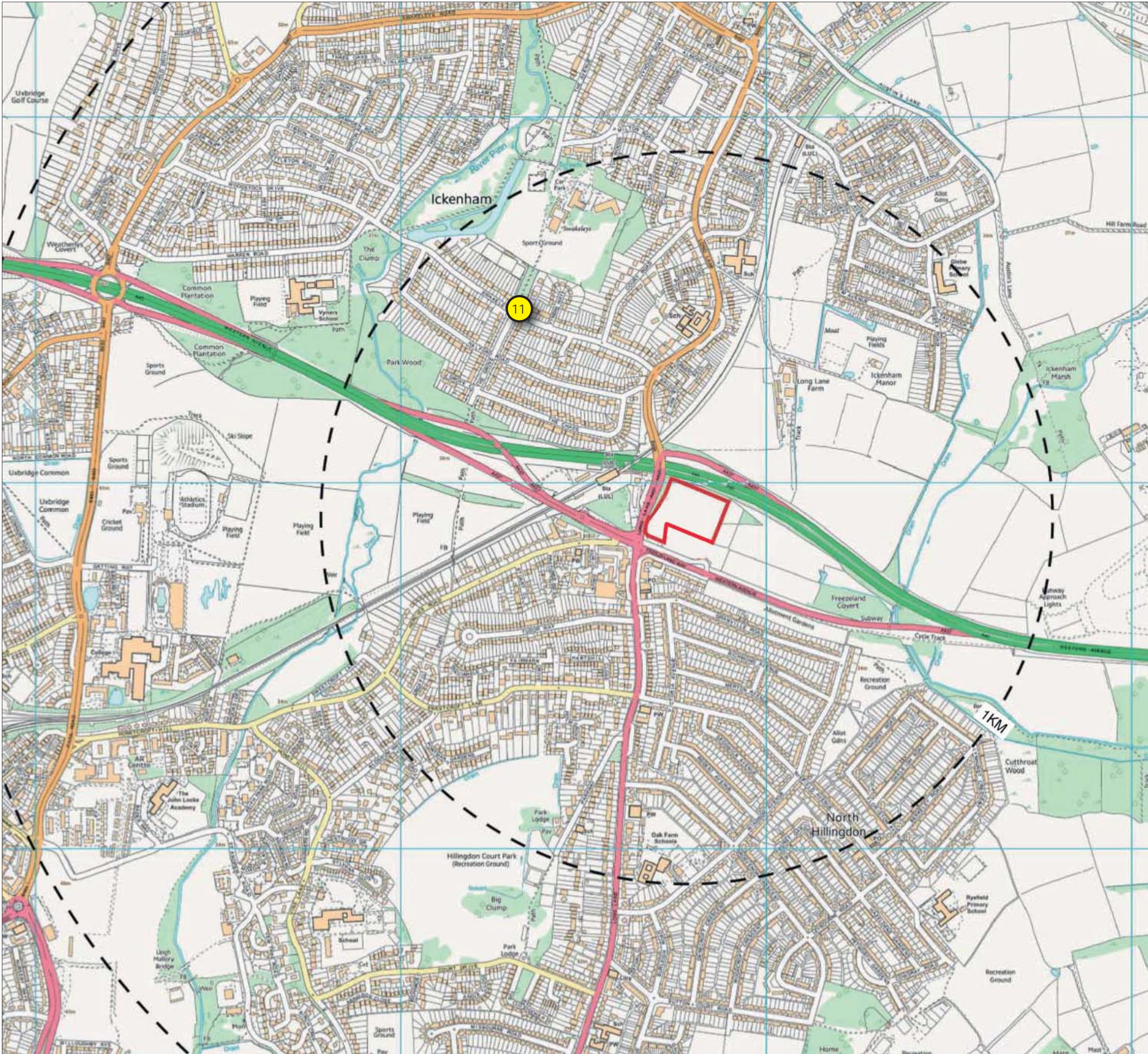


20.0Viewpoint 11

Location Description:  
Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Swakeley's Drive  
507331.9790, 185462.3960  
SLR Canon EOS 5D MKII  
Fixed 50mm  
41.82 AOD  
72 °  
09.05.17  
10.56

Tripod Location





20.1. Viewpoint 11



20.1.1. Extended panorama



20.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

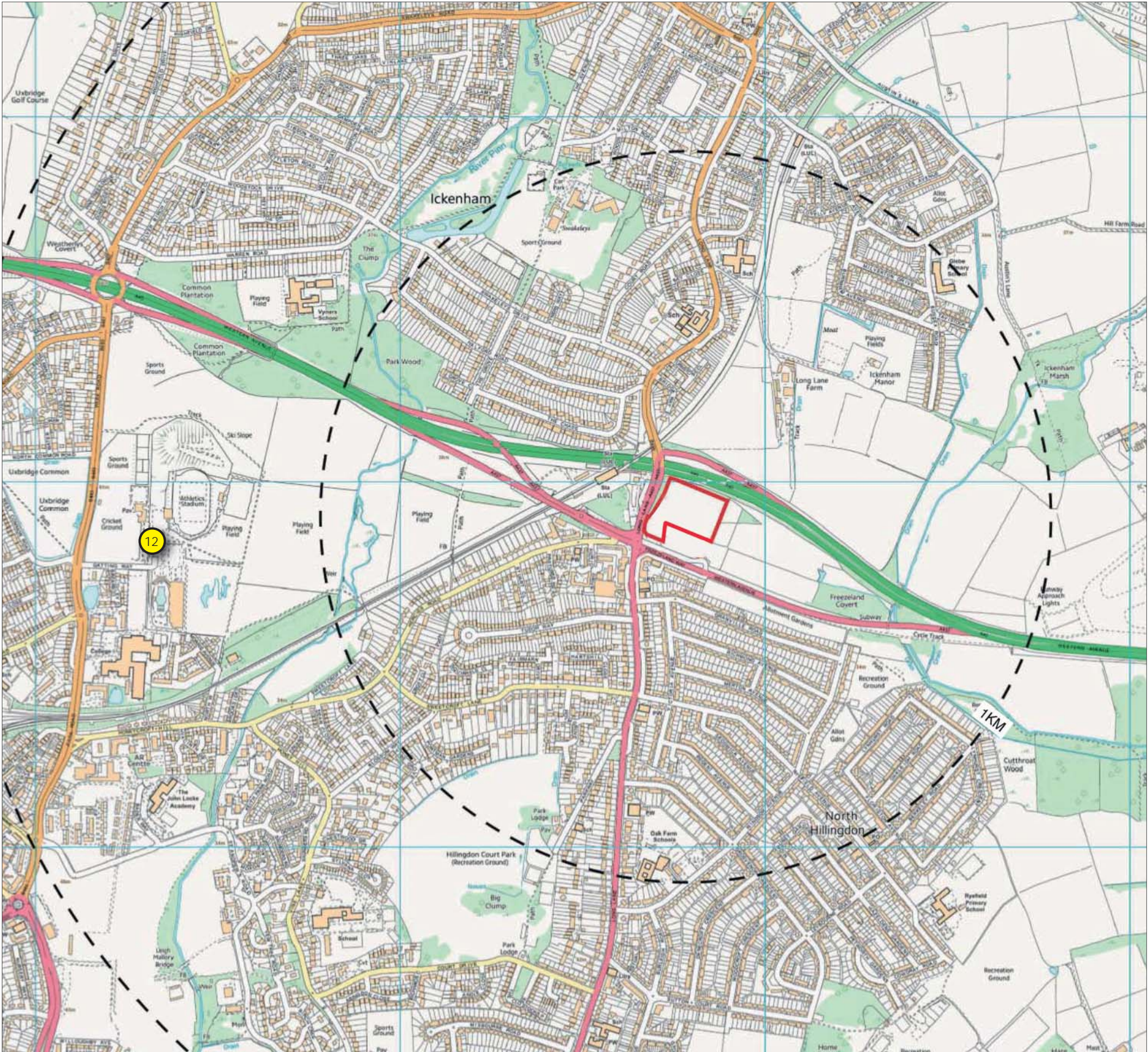


21.0Viewpoint 12

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Hillingdon Athletics Stadium  
506348.9160, 184860.3380  
SLR Canon EOS 5D MKII  
Fixed 50mm  
54.29 AOD  
72 °  
03.12.19  
12.39

Tripod Location





21.1. Viewpoint 12



21.1.1. Extended panorama



21.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

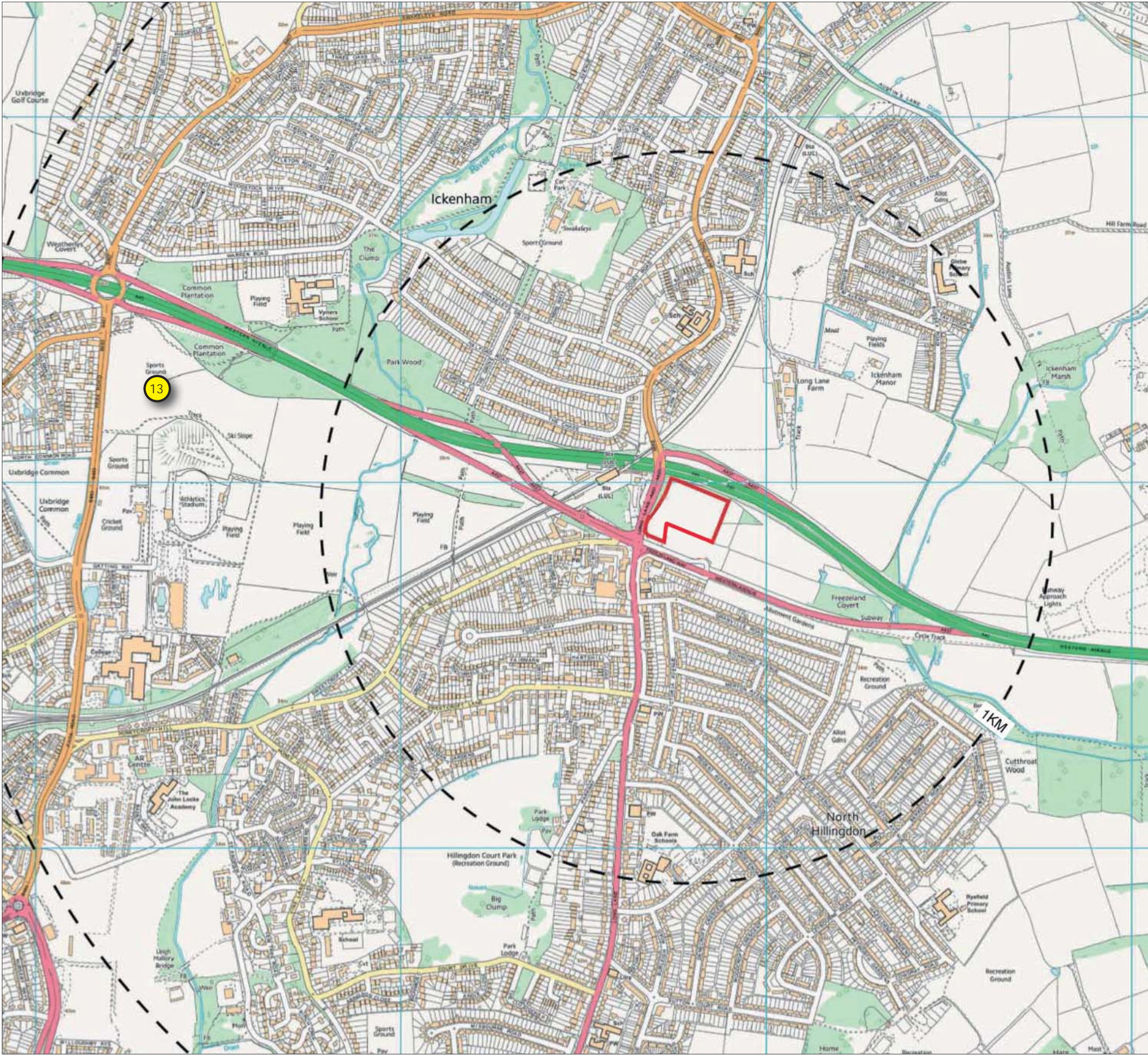


22.0Viewpoint 13

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Hillingdon Sports Ground / PF ref: U54  
506325.2430, 185231.2610  
SLR Canon EOS 5D MKII  
Fixed 50mm  
60.25 AOD  
72 °  
09.05.17  
12.19

Tripod Location





22.1. Viewpoint 13



22.1.1. Extended panorama



22.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

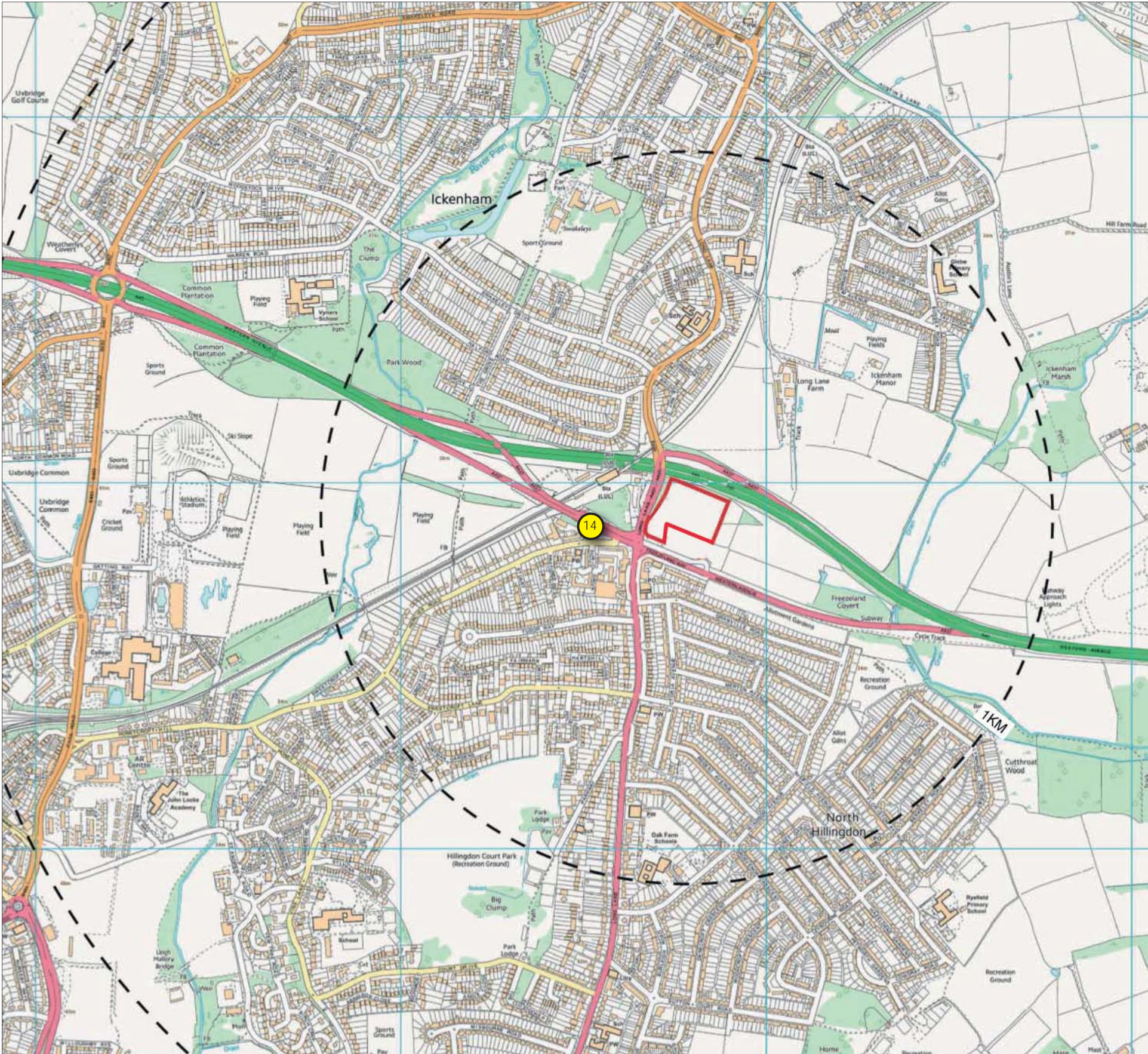


25.0Viewpoint 14

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Western Avenue A437 Slip Road  
507529.7630, 184869.4840  
SLR Canon EOS 5D MKII  
Fixed 50mm  
41.02 AOD  
72 °  
26.11.19  
11.10

Tripod Location





25.1. Viewpoint 14



25.1.1. Extended panorama



25.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

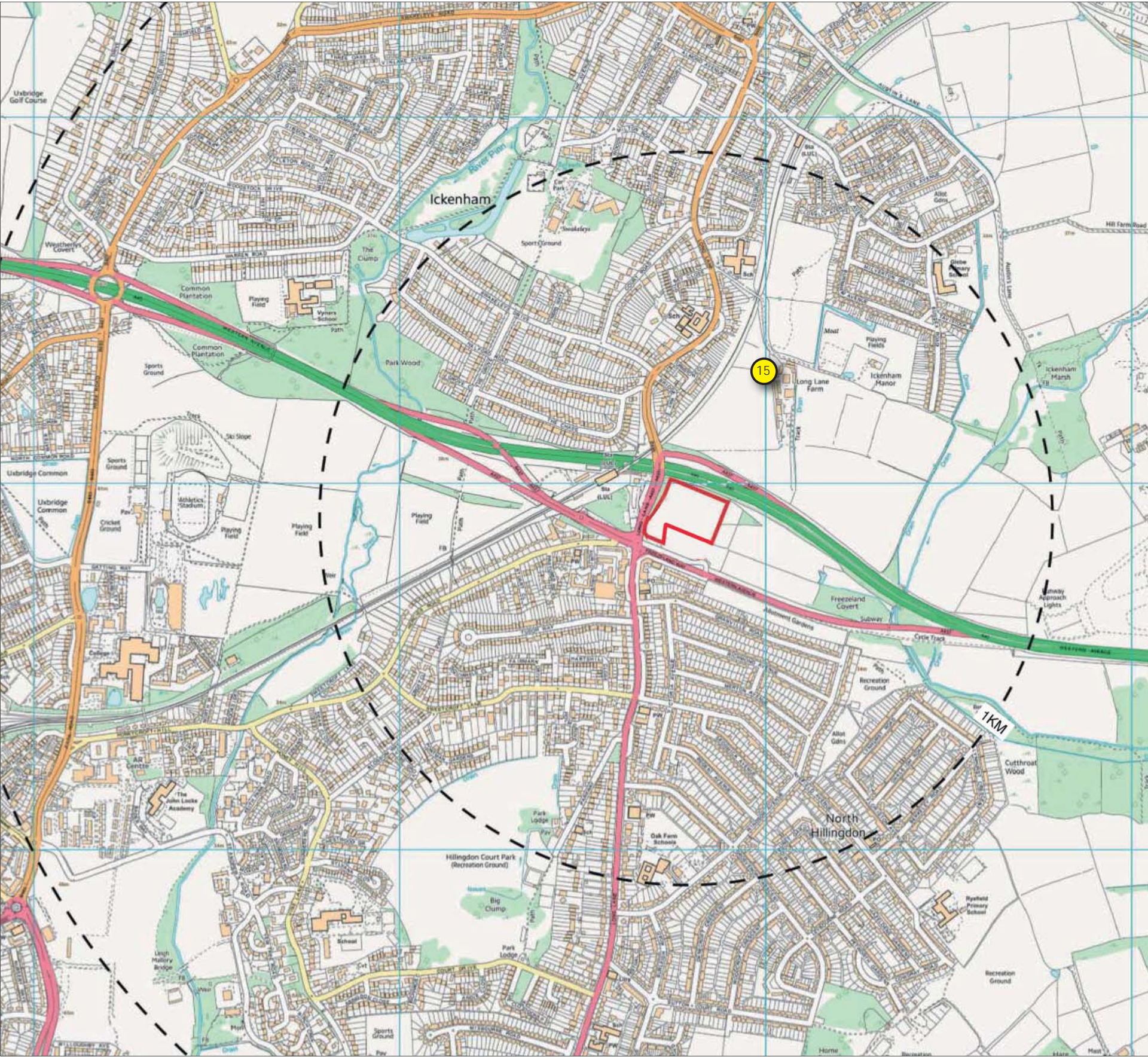


23.0Viewpoint 15

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Field to the south west of Ickenham Manor  
507985.1510, 185304.9100  
SLR Canon EOS 5D MKII  
Fixed 50mm  
36.86 AOD  
72 °  
26.11.19  
09.02

Tripod Location





23.1. Viewpoint 15



23.1.1. Extended panorama



23.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**

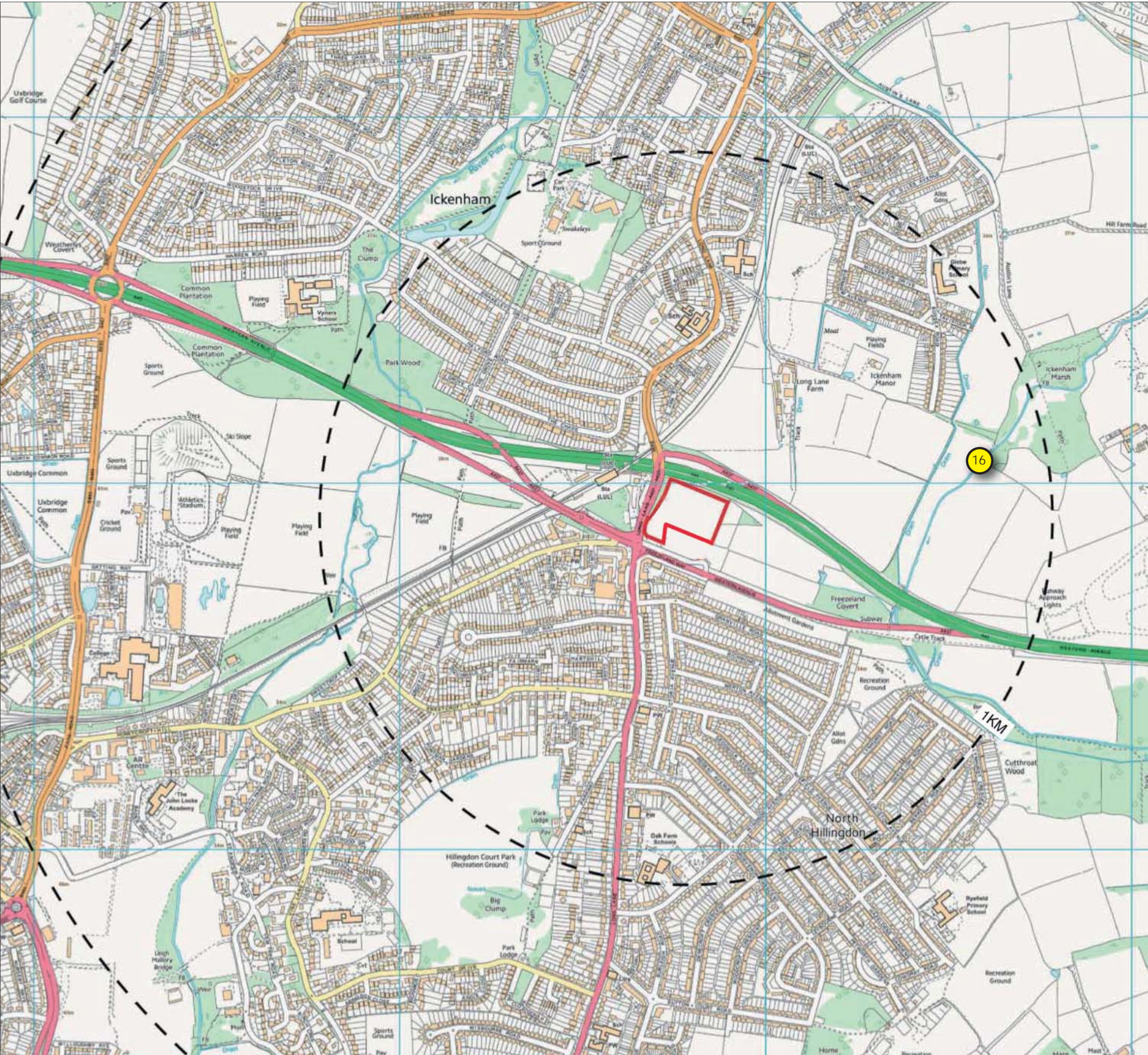


24.0Viewpoint 16

Location Description:  
National Grid Reference:  
Camera:  
Lens:  
Height of Camera Lens:  
Horizontal Field of View:  
Date:  
Time:

Hillingdon Trail, south of Ickenham Marsh  
508571.9040, 185060.6430  
SLR Canon EOS 5D MKII  
Fixed 50mm  
35.34 AOD  
72 °  
26.11.19  
09.31

Tripod Location





24.1. Viewpoint 16



24.1.1. Extended panorama



24.1.2. Wireline of proposed units at a viewing distance, this is the distance from eye to paper to gain a true representation of the image. **VD at 30cm**