

*Land at Mousewell Farm, Chipping Sodbury*



***Predicted Photomontages***

*(Non verified, Type3)*

*Provided by Aspect Landscape Planning*

*Project No. 8284*

**LANDSCAPE PHOTOGRAPHY, PHOTOMONTAGE & WIREFRAME VISUALISATION METHODOLOGY**

1.1. The undertaking of all digital landscape photography, the preparation of visualisations and the presentation methods is in accordance with the current guidance as set out in the following documents;

- Guidelines for Landscape and Visual Impact Assessment 3<sup>rd</sup> Edition.
- Photography and photomontage in landscape and visual impact assessment: Landscape Institute Advice Note 01/11.
- Visual representation of Windfarms – Good Practice Guidance: Scottish Natural Heritage, March 2006.
- Visual Representations of Development Proposals: Landscape Institute Technical Guidance Note 06/19

**Viewpoints**

1.2. Viewpoints are assessed and agreed in order to be representative of the range of views and viewer types that will experience the proposals. This is informed by ordnance survey and other maps, fieldwork observations and other information relevant to the specific setting of the site, such as access, landscape character and popular vantage points.

**Photography**

1.3. High resolution photographs are taken during representative weather conditions using a digital equivalent of a 35mm camera with 50mm lens, from a consistent height of 1.6m above ground. A tripod is used and the camera is levelled. The accurate location of the photographer is recorded using OS map data and landscape features.

*Equipment Used for Photography*

- Nikon D3200
- AF-s Nikkor 18-55mm Lens
- Tripod

**Post Production**

1.4. Each photo viewpoint photograph was processed from a jpeg data file in 8bit colour space. The individual shots were stitched together using a method of cylindrical projection to form a panorama. Standard (digital) photographic post production techniques were used to create a corrected final 8bit tif file to be used as the basis for each photomontage.

1.5. The multiple single frame photographs are then carefully spliced together using digital software techniques to create a single panoramic image with a horizontal field of view equivalent to that seen in the field. The vertical field of view of both existing and proposed views is set at a minimum width of 130mm at A3 paper (landscape format) in order to allow for two panoramic images to fit onto an A3 page. This determines the horizontal field of view and an interpretation of monocular perspective can therefore be obtained by viewing from a distance of between 300mm and 400mm at A3 or between 400mm and 500mm at A2, curved through the same radius.

1.6. A digital wireframe 3-D model of the proposals is created (in Sketchup) using available ordnance survey map datum, topographical survey, elevational and spot height data and/or digital terrain modelling along with the extent and maximum parameters of the proposed building and/or developable area. Visible existing features are also built within the model forming the surveyed reference points in the photographs.

**Aligning the Model and the Photograph**

1.7. The surveyed camera location points are then matched within the model and assigned the same height, position and orientation to which the original photograph was taken. The proposed elements and changes to the scene are then rendered onto the wireframe model in line with the proposed materials, colours and finishes. Using a photo editing package, namely Adobe Photoshop, the photography, surveyed reference points and rendered proposed development are aligned. Components within the photograph are then manipulated to realistically illustrate the new proposals within the view (i.e. trees/buildings etc to be removed as part of the development are erased). The photograph is not altered in any other way to ensure the vertical and horizontal field of view remains as existing, and a direct comparison can be made.

**Checking**

1.8. To ensure the accuracy of this method the following checks were carried out at each stage of the process:  
All coordinates located within the terrain model were later checked against open source OS data and aerial imagery.

Additional images at other locations around the site boundary were taken and used as further points of reference when working out which elements in the original photographs would appear in the foreground when incorporating the 3D model into the images.

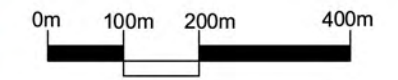
**Occlusion and Perception of the Proposed View**

1.9. Within the limits of current technology and available data, techniques and experienced judgement were employed by the visualiser to manipulate the rendered image so that it appears as photorealistic as possible.

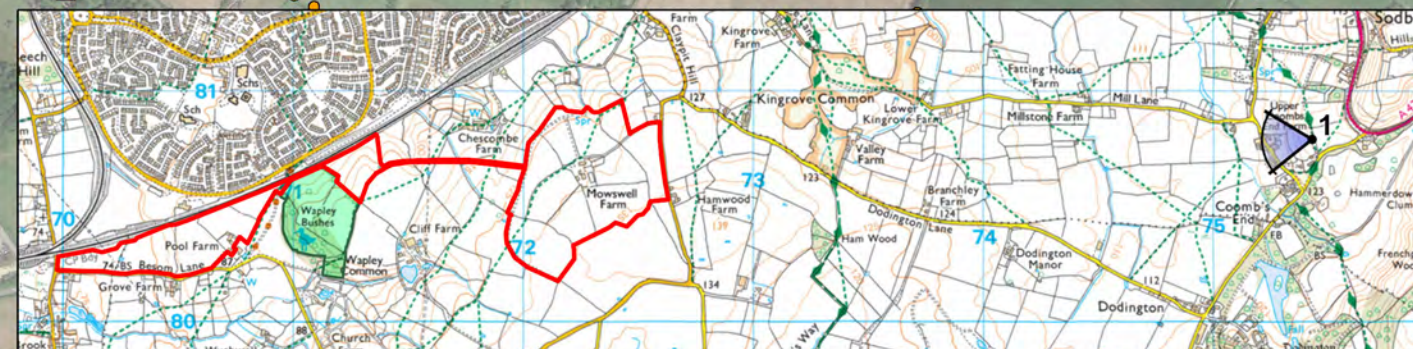
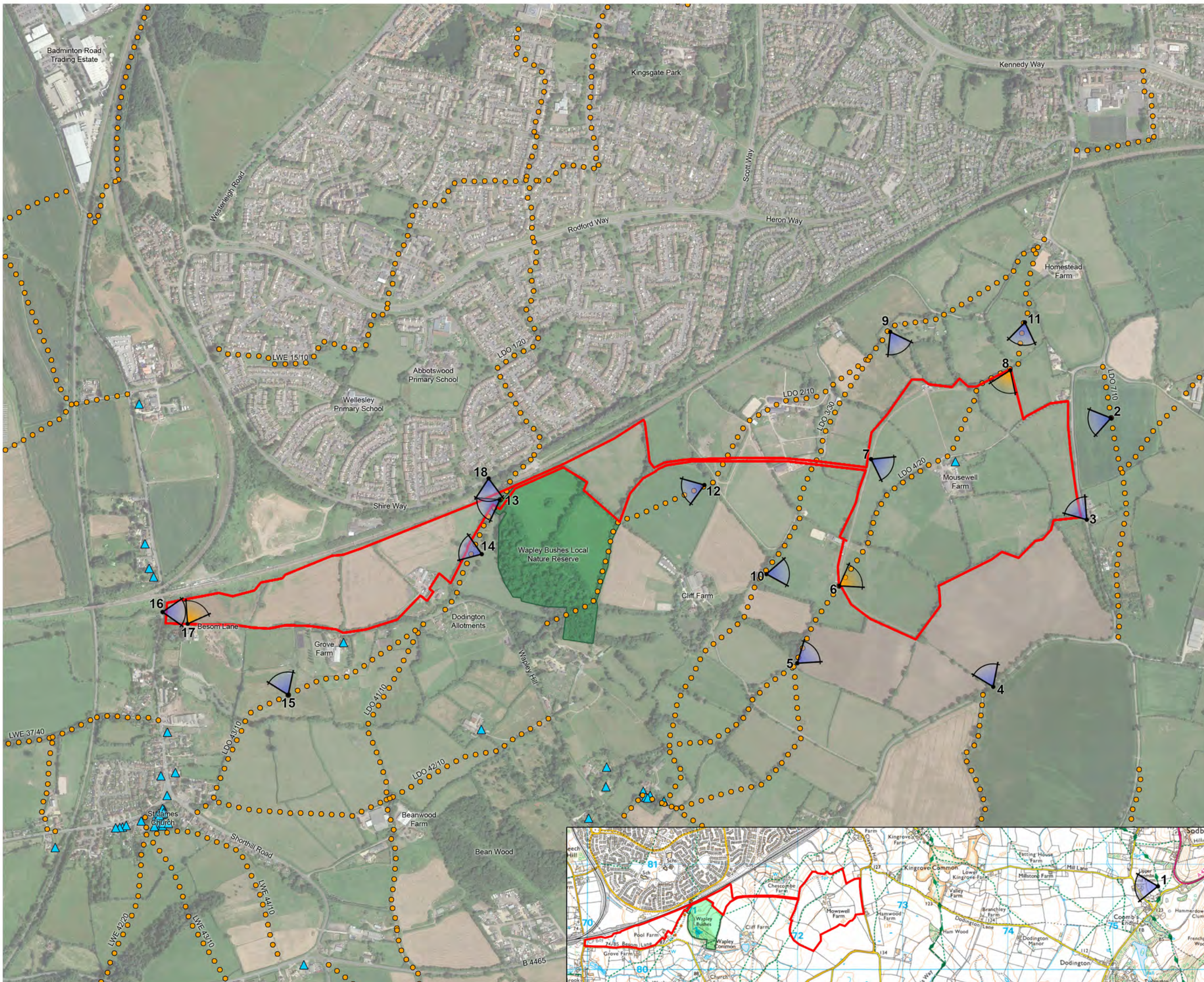
**Limitations**

1.10. The visuals prepared have however been prepared in line with the current guidance and with the information available, and are considered to be an accurate representation of the proposals. They have been based on a replicable, transparent and structured process as detailed above. The visualisations have been produced and presented at a size and level of geometric accuracy to permit impact assessment to be undertaken and provide a tool for assessment by way of an image that can be compared with an actual view in the field. They should however never be considered as a substitute to visiting a viewpoint within the field, and the correct viewing distances as indicated should be used in order to accurately illustrate the proposals.

NOTES:  
 Based upon the Ordnance Survey map with permission of The Controller of Her Majesty's Stationery Office. © Crown Copyright.  
 Aspect Landscape Planning Ltd, West Court, Handwick Business Park, Nural Way, Banbury OX16 2AF.  
 Licence 10004345 - Aerial map data © 2012 Google  
 Copyright reserved



- Key:
- Application Site Boundary
  - Public Rights of Way
  - Listed Building
  - Viewpoint Location
  - Photomontage Viewpoint Location
  - Wapley Bushes Local Nature Reserve



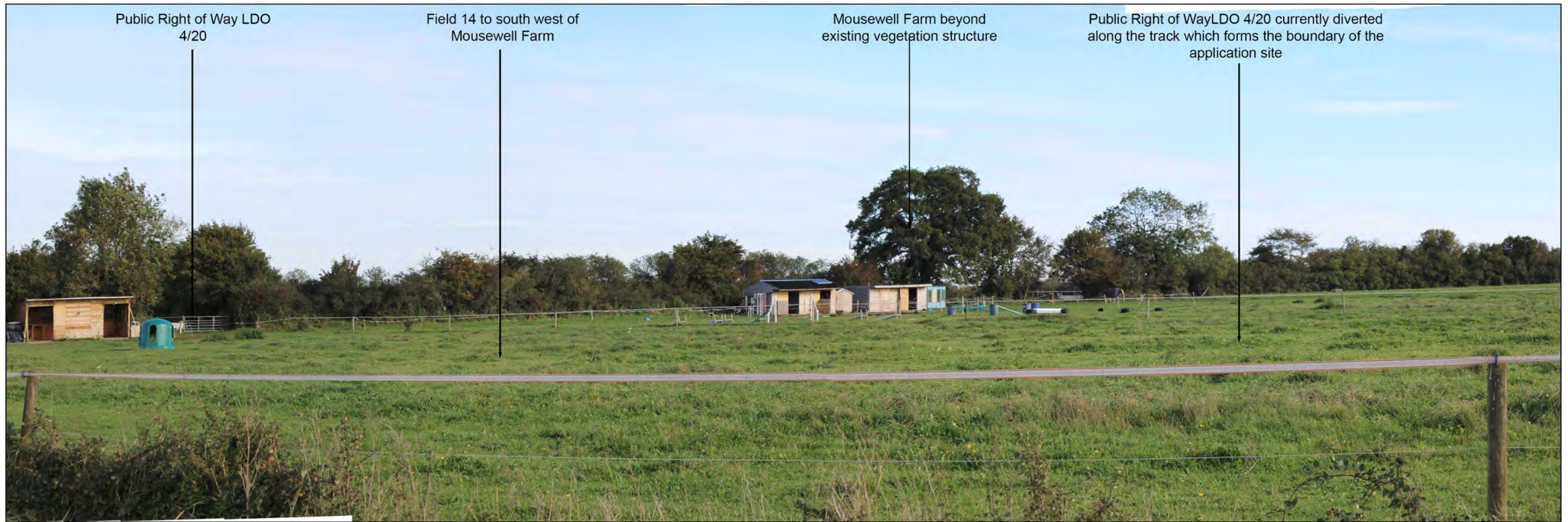
REV	DATE	NOTE	DRAWN	CHK'D

**aspect landscape planning**

TITLE  
 Land at Mousewell Farm, Chipping Sodbury  
 Viewpoint Location Plan

CLIENT  
 JBM Solar / RWE Renewables

SCALE 1:10,000 @ A3	DATE FEB 2024	DRAWN SB	CHK'D JJ
DRAWING NUMBER 8284 / PVL P		REVISION	



**Existing Viewpoint 6**

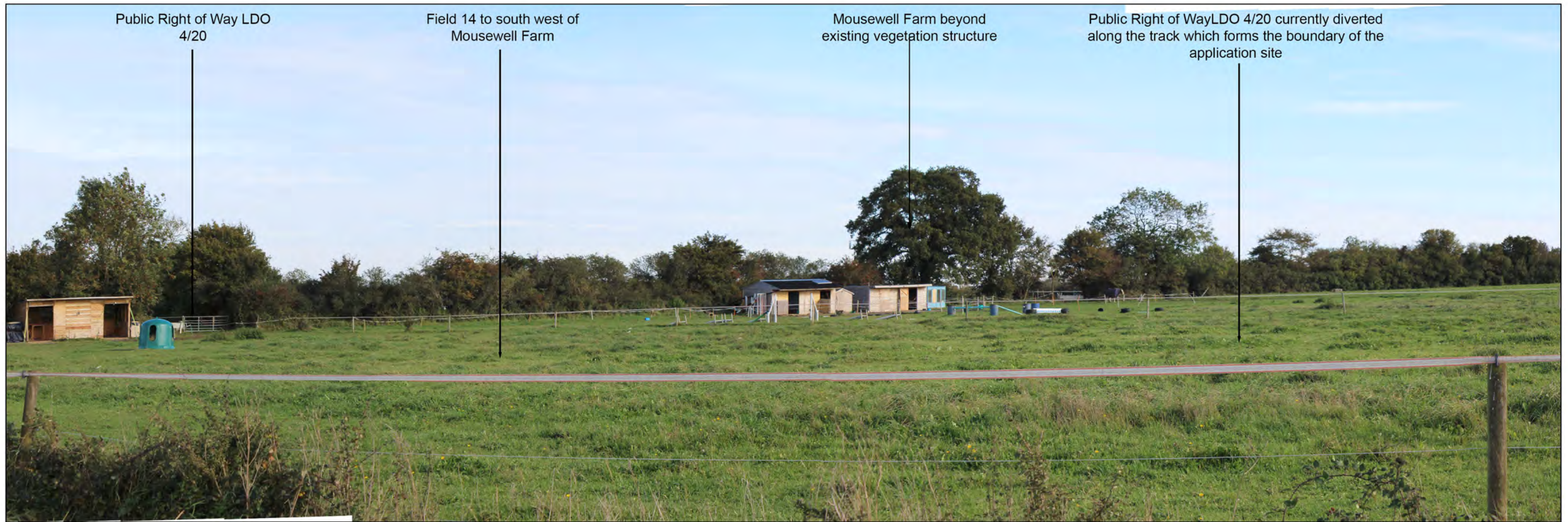


**Predicted Photomontage Viewpoint 6  
Year 1**

Equipment & Focal Length: Nikon D3200 DSLR 35mm equivalent camera using a 50mm lens  
 Viewing Distance at A3: 330mm  
 Horizontal Field of View: 68°  
 Vertical Field of View: 23°

Viewpoint Coordinates: E 371933 N 180340  
 Date & time of photograph: 17/10/2023 11:44  
 AOD & Viewing height: c. 123m AOD 1.6m  
 Weather conditions: Clear, good visibility

Panorama created from multiple photographs taken using a digital equivalent of a 35mm camera with 50mm lens in line with best practice and current guidance. Images illustrate a horizontal field of view of 68° and when printed at A3, should be viewed at a distance of 330mm curved through the same radius in order to correctly illustrate the existing landscape context. To ensure considered judgements are accurately assessed, images should not be substituted for visiting the viewpoint.



**Existing Viewpoint 6**



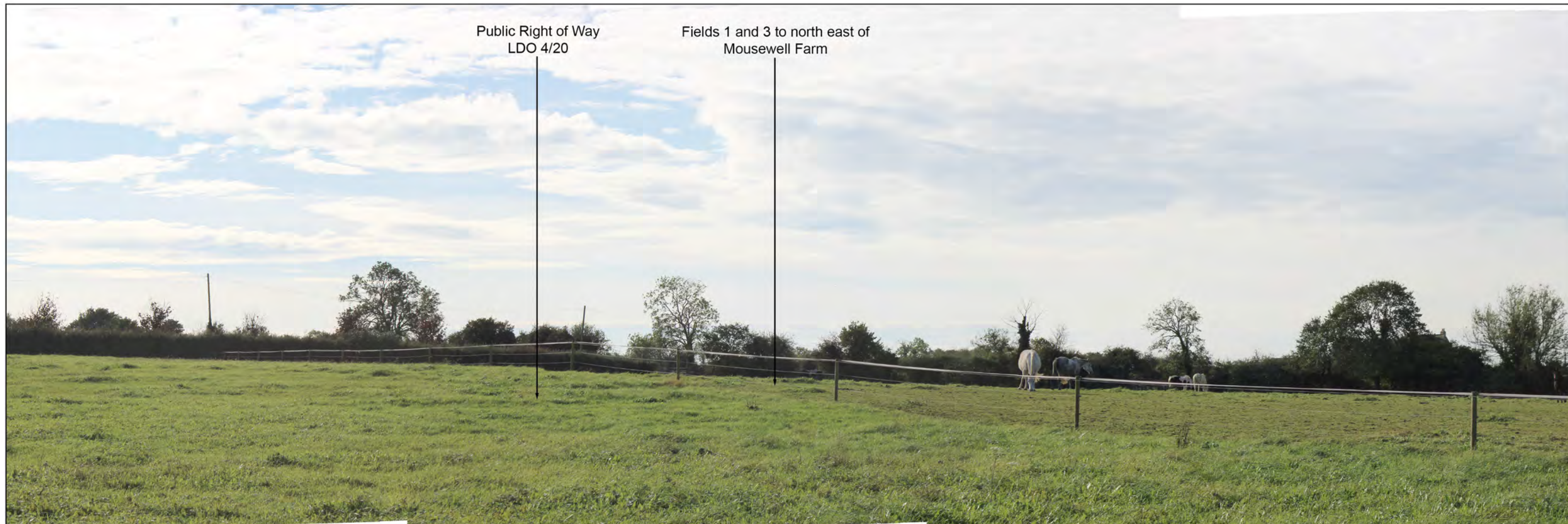
N.B. Standard tree heights indicated approximately 6-7m

Equipment & Focal Length: Nikon D3200 DSLR 35mm equivalent camera using a 50mm lens  
 Viewing Distance at A3: 330mm  
 Horizontal Field of View: 68°  
 Vertical Field of View: 23°

Viewpoint Coordinates: E 371933 N 180340  
 Date & time of photograph: 17/10/2023 11:44  
 AOD & Viewing height: c. 123m AOD 1.6m  
 Weather conditions: Clear, good visibility

Panorama created from multiple photographs taken using a digital equivalent of a 35mm camera with 50mm lens in line with best practice and current guidance. Images illustrate a horizontal field of view of 68° and when printed at A3, should be viewed at a distance of 330mm curved through the same radius in order to correctly illustrate the existing landscape context. To ensure considered judgements are accurately assessed, images should not be substituted for visiting the viewpoint.

**Predicted Photomontage Viewpoint 6  
 Year 10**



**Existing Viewpoint 8**

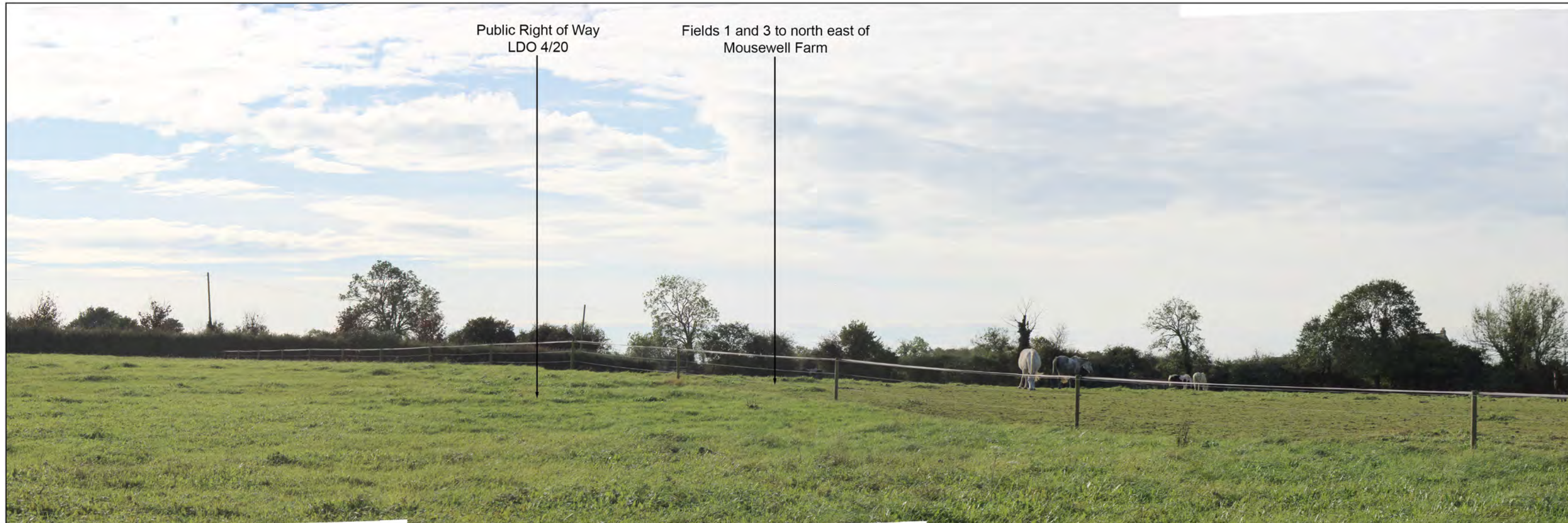


**Predicted Photomontage Viewpoint 8  
Year 1**

Equipment & Focal Length: Nikon D3200 DSLR 35mm equivalent camera using a 50mm lens  
 Viewing Distance at A3: 330mm  
 Horizontal Field of View: 68°  
 Vertical Field of View: 23°

Viewpoint Coordinates: E 372326 N 180896  
 Date & time of photograph: 17/10/2023 11:23  
 AOD & Viewing height: c. 111m AOD 1.6m  
 Weather conditions: Clear, good visibility

Panorama created from multiple photographs taken using a digital equivalent of a 35mm camera with 50mm lens in line with best practice and current guidance. Images illustrate a horizontal field of view of 68° and when printed at A3, should be viewed at a distance of 330mm curved through the same radius in order to correctly illustrate the existing landscape context. To ensure considered judgements are accurately assessed, images should not be substituted for visiting the viewpoint.



**Existing Viewpoint 8**



N.B: Standard tree heights indicated approximately 6-7m

Equipment & Focal Length: Nikon D3200 DSLR 35mm equivalent camera using a 50mm lens  
 Viewing Distance at A3: 330mm  
 Horizontal Field of View: 68°  
 Vertical Field of View: 23°

Viewpoint Coordinates: E 372326 N 180896  
 Date & time of photograph: 17/10/2023 11:23  
 AOD & Viewing height: c. 111m AOD 1.6m  
 Weather conditions: Clear, good visibility

Panorama created from multiple photographs taken using a digital equivalent of a 35mm camera with 50mm lens in line with best practice and current guidance. Images illustrate a horizontal field of view of 68° and when printed at A3, should be viewed at a distance of 330mm curved through the same radius in order to correctly illustrate the existing landscape context. To ensure considered judgements are accurately assessed, images should not be substituted for visiting the viewpoint.

**Predicted Photomontage Viewpoint 8  
 Year 10**



**Existing Viewpoint 17**



**Predicted Photomontage Viewpoint 17  
Year 1**

Equipment & Focal Length: Nikon D3200 DSLR 35mm equivalent camera using a 50mm lens  
 Viewing Distance at A3: 330mm  
 Horizontal Field of View: 68°  
 Vertical Field of View: 23°

Viewpoint Coordinates: E 370042 N 180215  
 Date & time of photograph: 17/10/2023 15:18  
 AOD & Viewing height: c. 75m AOD 1.6m  
 Weather conditions: Clear, good visibility

Panorama created from multiple photographs taken using a digital equivalent of a 35mm camera with 50mm lens in line with best practice and current guidance. Images illustrate a horizontal field of view of 68° and when printed at A3, should be viewed at a distance of 330mm curved through the same radius in order to correctly illustrate the existing landscape context. To ensure considered judgements are accurately assessed, images should not be substituted for visiting the viewpoint.





**Existing Viewpoint 17**



N.B. Standard tree heights indicated approximately 6-7m

Equipment & Focal Length: Nikon D3200 DSLR 35mm equivalent camera using a 50mm lens  
 Viewing Distance at A3: 330mm  
 Horizontal Field of View: 68°  
 Vertical Field of View: 23°

Viewpoint Coordinates: E 370042 N 180215  
 Date & time of photograph: 17/10/2023 15:18  
 AOD & Viewing height: c. 75m AOD 1.6m  
 Weather conditions: Clear, good visibility

Panorama created from multiple photographs taken using a digital equivalent of a 35mm camera with 50mm lens in line with best practice and current guidance. Images illustrate a horizontal field of view of 68° and when printed at A3, should be viewed at a distance of 330mm curved through the same radius in order to correctly illustrate the existing landscape context. To ensure considered judgements are accurately assessed, images should not be substituted for visiting the viewpoint.

**Predicted Photomontage Viewpoint 17  
 Year 10**