



# Gravity

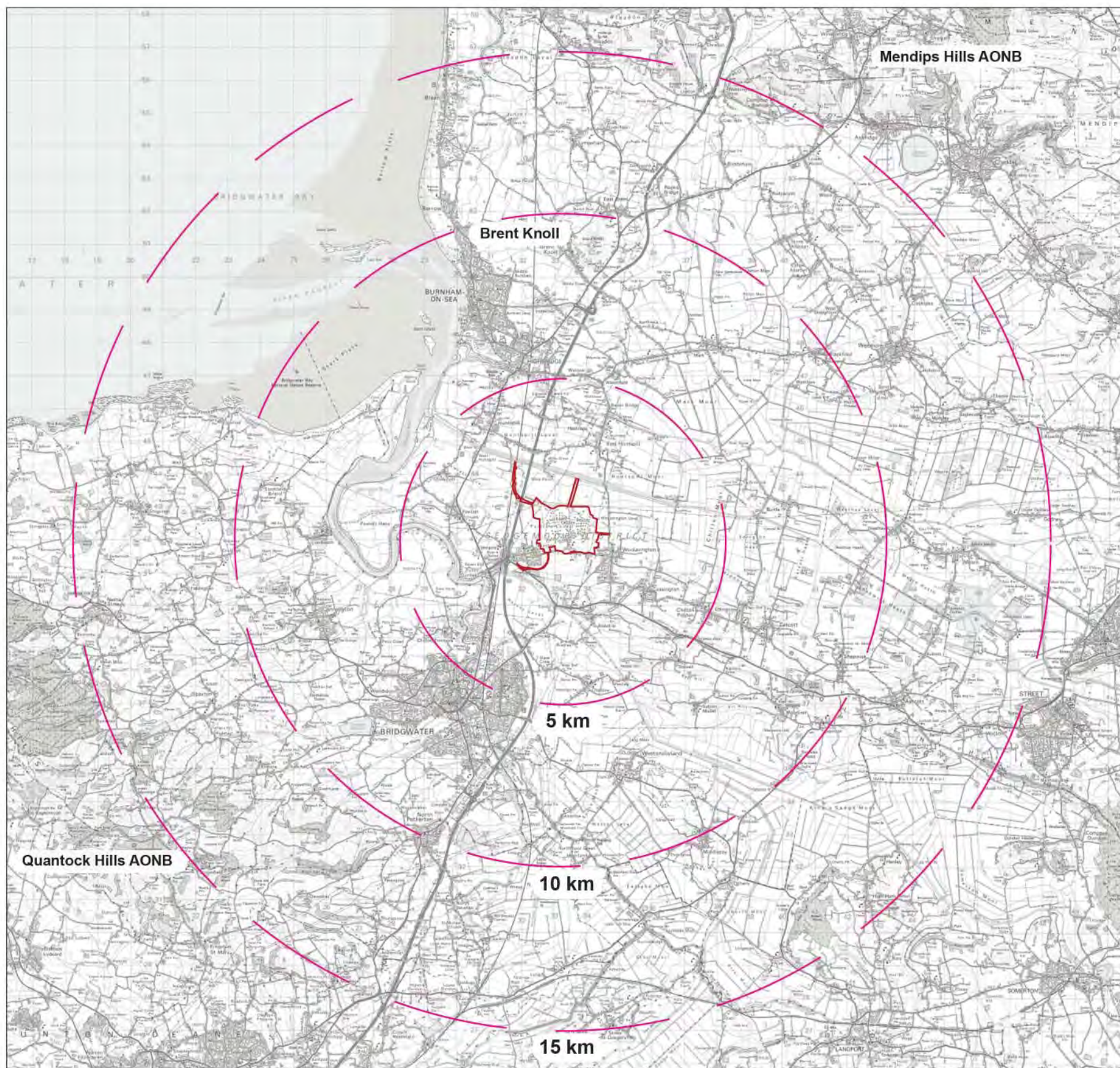
Smart Campus

**Gravity LDO Environmental Statement**

**Volume 2 – Appendices**

**Appendix 14.1a LVIA Figures 14.1-14.29**





#### Legend



LDO Site Boundary



Distance from LDO site

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#### Revisions:

**Rev 0:** Fig No and legend updated: 16/06/2021  
**Rev 0:** Drawing created: 01/03/2021

**Drawn by:**  
AP

**Checked by:**  
VDC

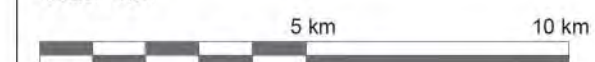
**Status:**  
Planning

**Date:**  
22/02/2021

**Drawing no:**  
21-12-PL-223

**Rev:**  
A

**Scale:** nts







# Legend

- LDO Site Boundary
- B Bat Box
- 7 LWS Local Wildlife Site
- Former ROF Site

## Wider Site



1 Agincourt Square, Monmouth, NP25 3BT  
T: +44(0)1600 772251

Project:

This is Gravity  
Environmental Statement

Title:

Figure 14.2  
Existing Landscape Site  
Features and Conditions

Revisions:

Rev 0: Drawing Created 17/07/2021

Drawn by:

JBG

Checked by:

PJR

Status:

Planning

Date:

14/07/2021

Drawing no:

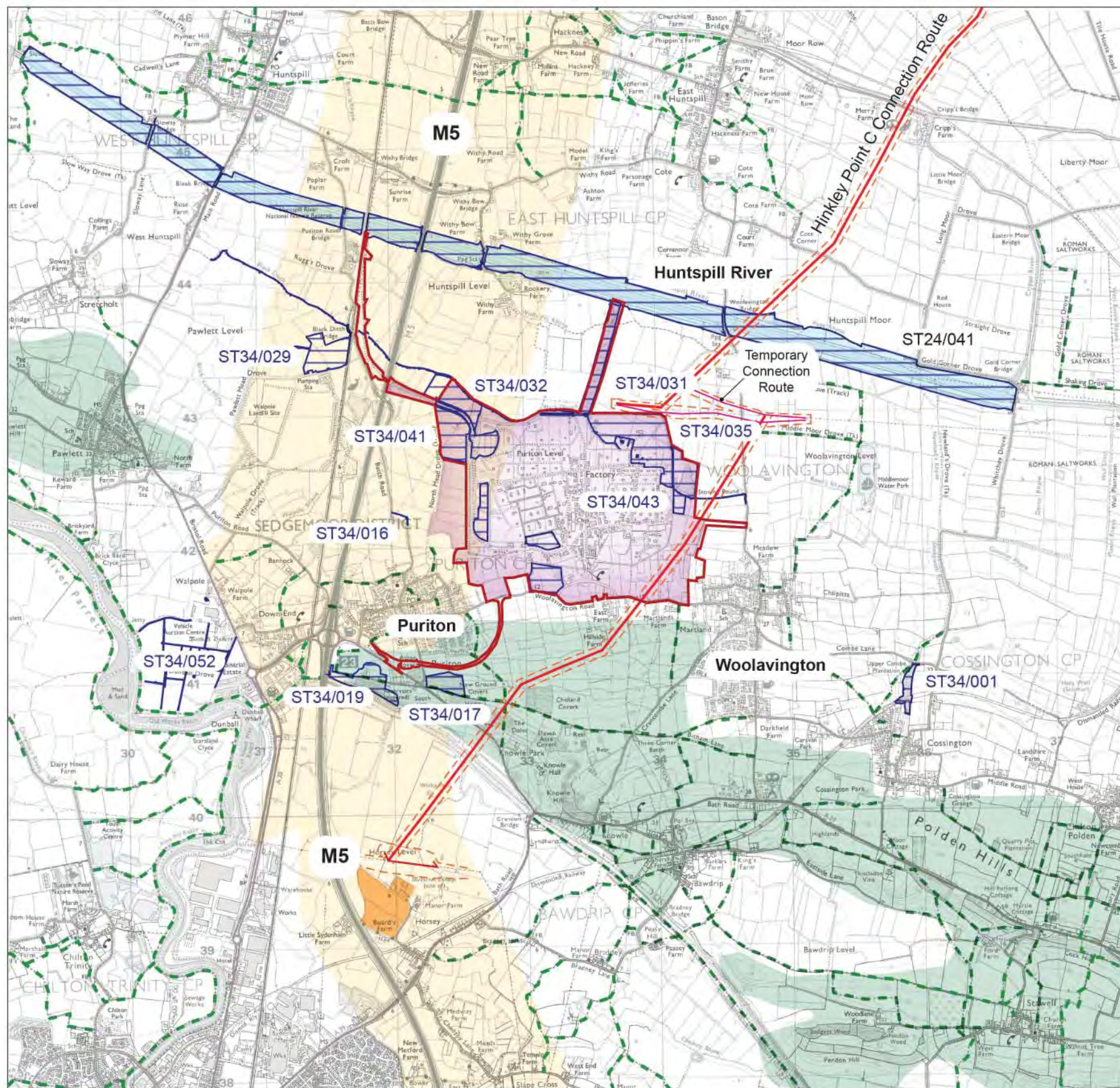
21-12-PL-24

Rev:

Scale:







# Legend

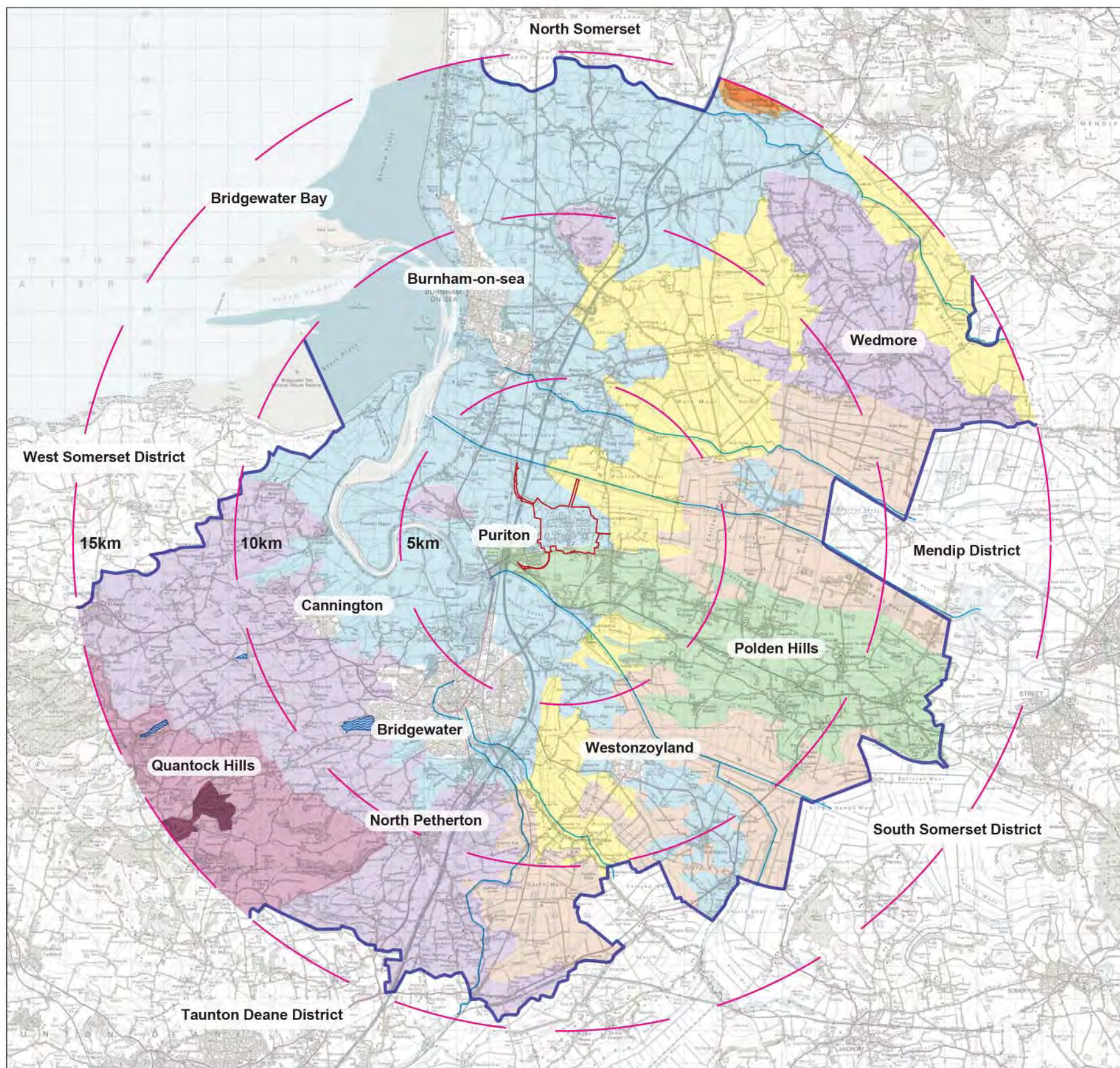
- LDO Site Boundary
- Extent of Puriton Energy Park as outlined in Sedgemoor District Council Supplementary Planning Document adopted 28th March 2012
- Public rights of way/bridleways

Sedgemoor Landscape Assessment and Countryside Design Summary  
Revised Edition - 2003. Map 6 - Areas of High Sensitivity (Evidence Based):

- Visually Prominent areas of high quality landscape
- Areas of high sensitivity in relation to road corridors
- Local Wildlife Site  
(Designation reference number shown in blue)
- National Nature Reserve
- Horsey Medieval Settlement
- Hinkley Point C Connection Route  
(deviation limit illustrated via dashed orange line)

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#### Legend



LDO Site Boundary



Distance From Site (Km)



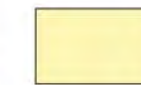
District Boundary

#### Sedgemoor District Landscape Character Areas

##### Levels & Moors



Peat Moors



Clay Moors



Levels

##### Mendips



Strawberry Belt and Foothlope Villages



Scarp Slope, West Mendip Summits and Cheddar Gorge

##### Lowland Hills



Polden Hills



Other Lowlands Hills Character Areas

##### Quantock Hills and Combes

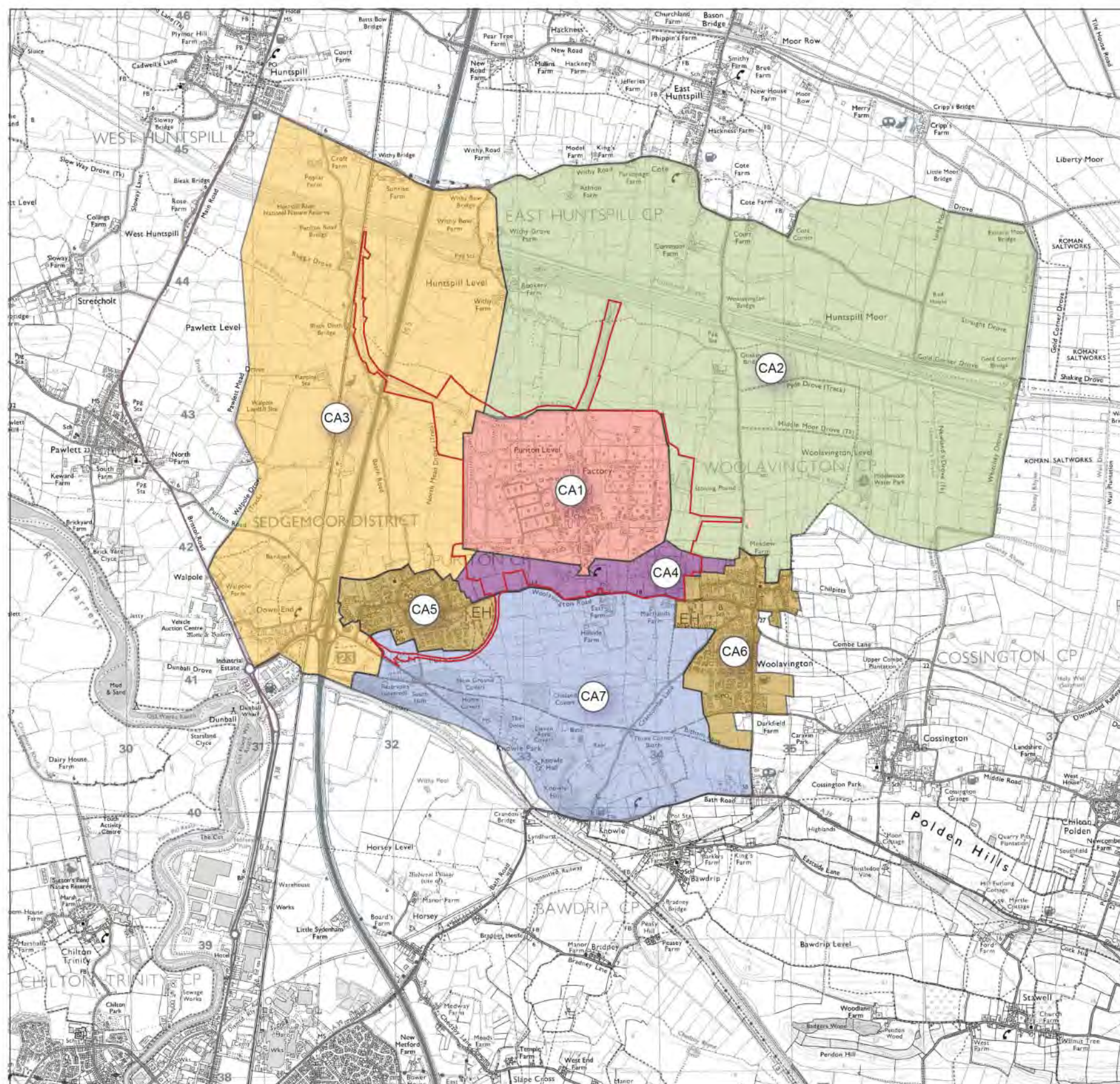


Quantock Hills and Combes



Quantock Summits





# Legend

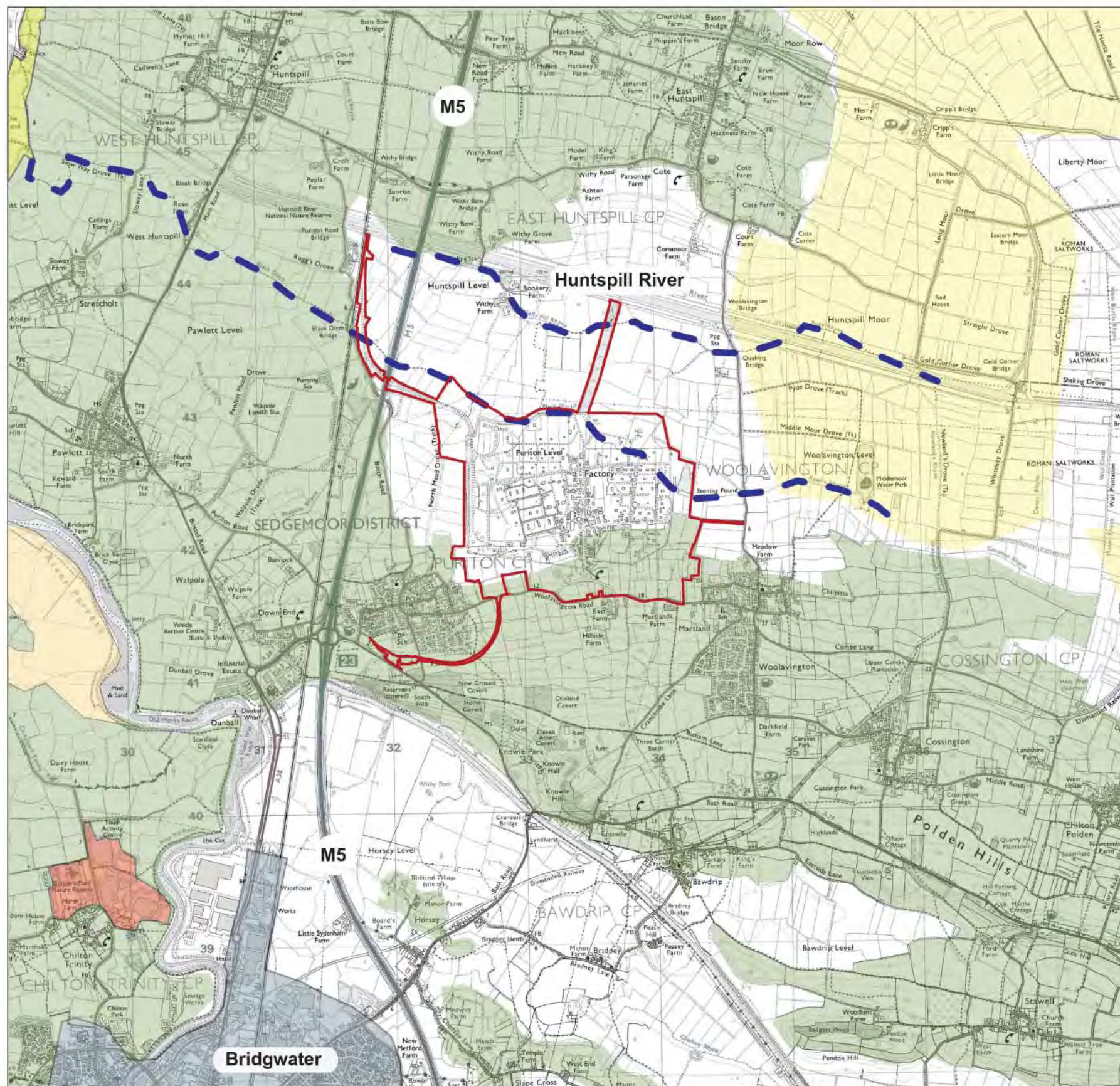
- LDO Site Boundary
- CA1: Former ROF site  
(lies within the 'Levels' character area identified in SLA)
- CA2: Moors and levels north of Woolavington  
(lies largely within the 'Clay Moors' character area identified in SLA)
- CA3: Moors and levels adjacent to the M5  
(lies within the 'Levels' character area identified in SLA)
- CA4: Land to the South of the former ROF site  
(lies largely within the 'Polden Hills' character area identified in the SLA)
- CA5: Puriton  
(lies within the 'Polden Hills' character area identified in the SLA)
- CA6: Woolavington  
(lies within the 'Polden Hills' character area identified in SLA)
- CA7: The Polden Hills  
(lies within the 'Polden Hills' character area identified in SLA)
- EH  
Emerging Housing Schemes to be included as part of Baseline

N.B Abbreviation SLA above refers to the Sedgemoor Landscape Assessment and Countryside Design Summary 2003.

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# Legend

- LDO Site Boundary
- Probable Mediaeval or earlier
- Probable 17th Century drainage and enclosure
- Probable late 18th Century enclosure
- Probable 19th Century enclosure
- Former brickpits, etc
- Early pre-enclosure features created or influenced culturally
- Areas of earthworks representing earlier landscape (pre-dating existing landscape)
- Significant built-up areas

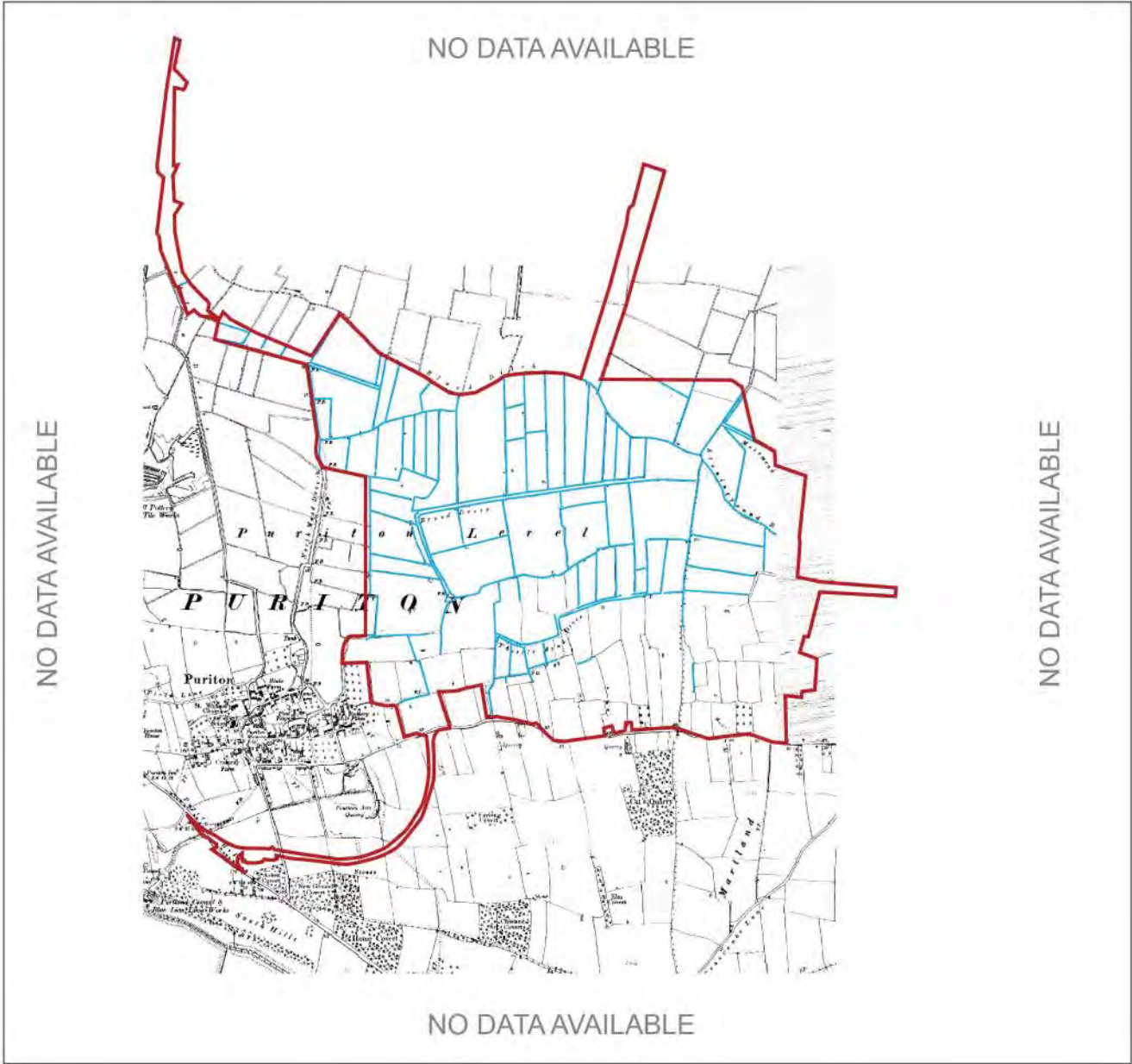
Information taken from Map 3 - Landscape History in the Sedgemoor District  
Landscape Assessment and Countryside Design Summary - 2003

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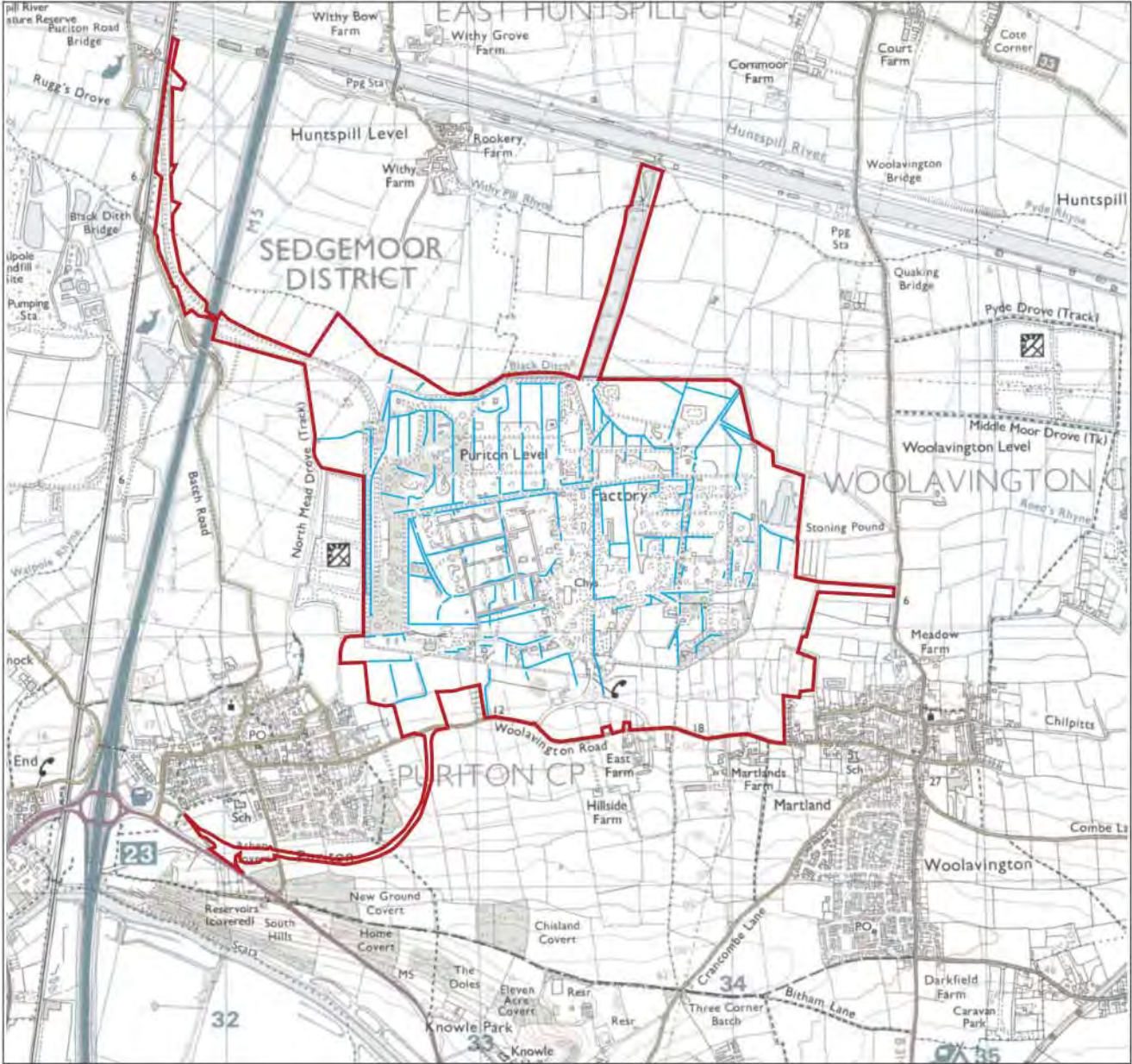






1931 Historical Map



Current OS Landranger

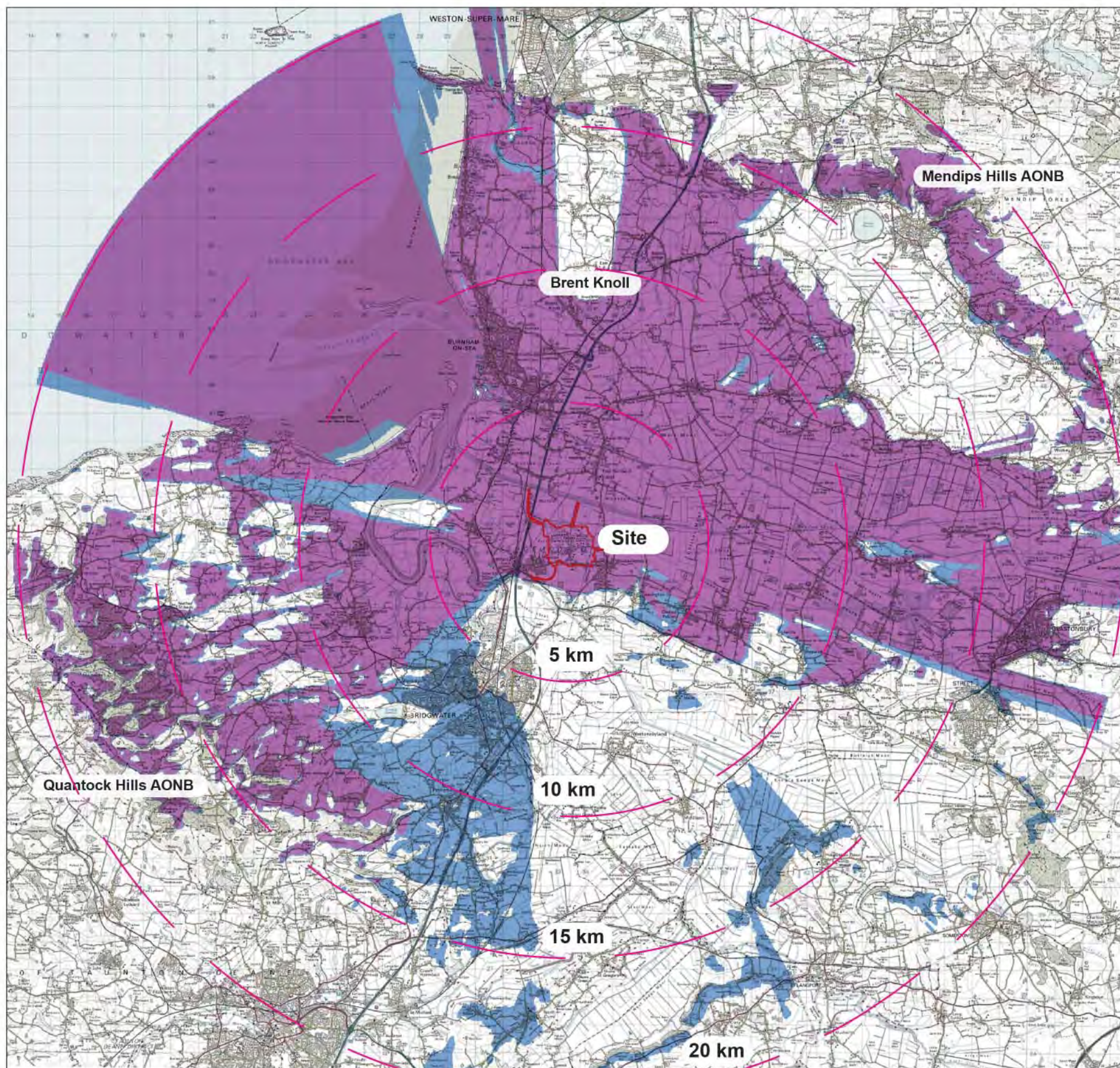


Legend





-  LDO Site Boundary
-  Drainage ditches

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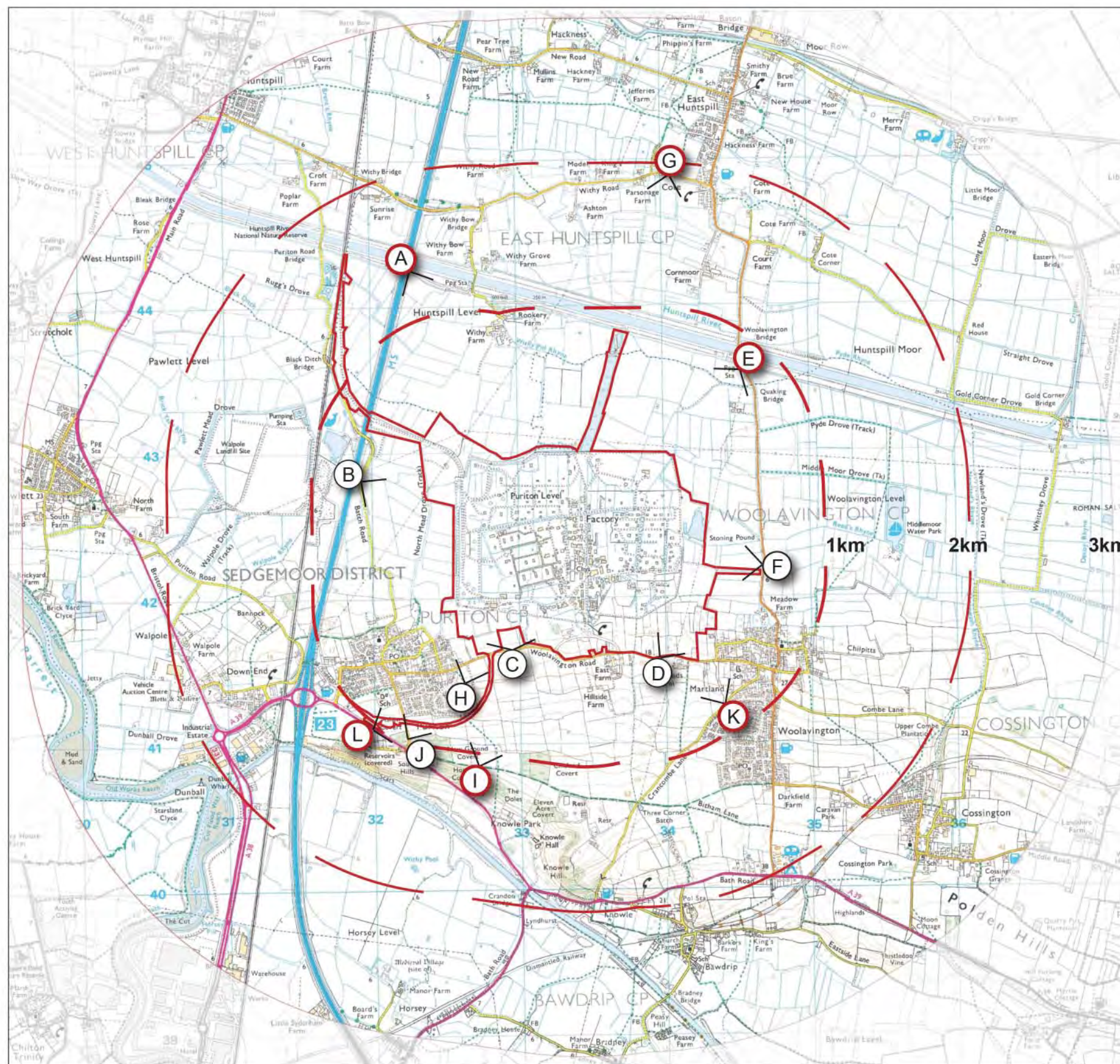
#### Legend

-  LDO Site Boundary
-  Distance from site
-  Zone of Theoretical Visibility of 35m building
-  Zone of Theoretical Visibility of 60m stack

Zone of Theoretical Visibility studies have been generated with Key Terra Firma software. The digital terrain model is based on 50m grid data. The ZTV itself is based on a 'bare earth' model and as such does take account for any screening which might be provided by vegetation or built form.

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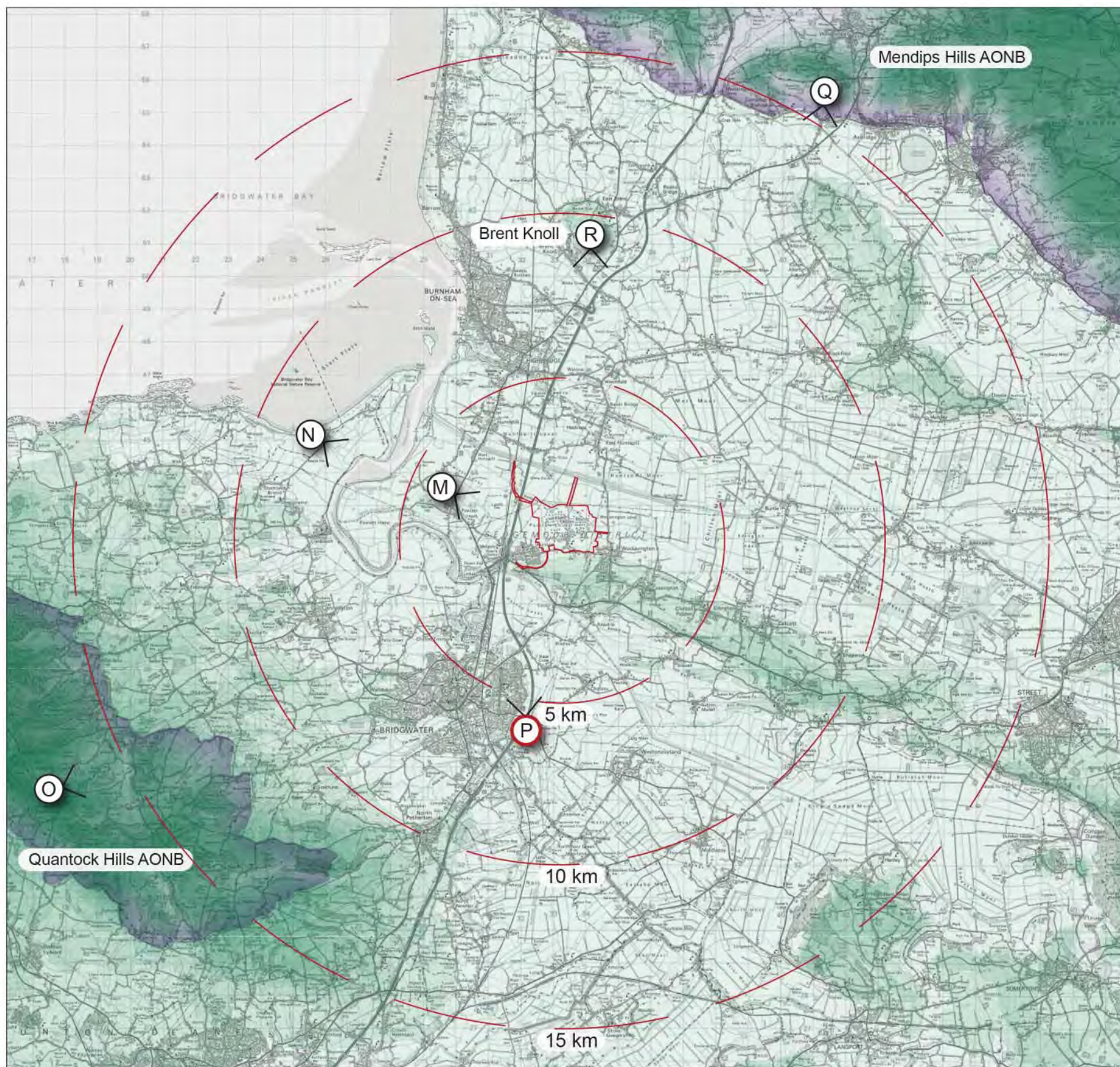




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#### Legend

- LDO Site Boundary
- Distance from LDO site
- Areas of Outstanding Natural Beauty
- Photographic viewpoints
- Photographic viewpoints & CGI locations
- 0-50m Above Ordnance Datum (AOD)
- 50-100m
- 100-150m
- 150-200m
- 200-250m
- 250-300m
- 300-350m

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#### Revisions:

**Rev C:** Figure No and legend updated 16/08/2021  
**Rev B:** Drawing status and title updated 04/03/2021  
**Rev A:** Viewpoints reordered

**Drawn by:**  
JBG

**Checked by:**  
PJR

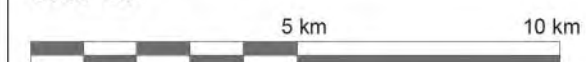
**Status:**  
Planning

**Date:**  
22/02/2021

**Drawing no:**  
21-12-PL-221

**Rev:**  
C

Scale: nts





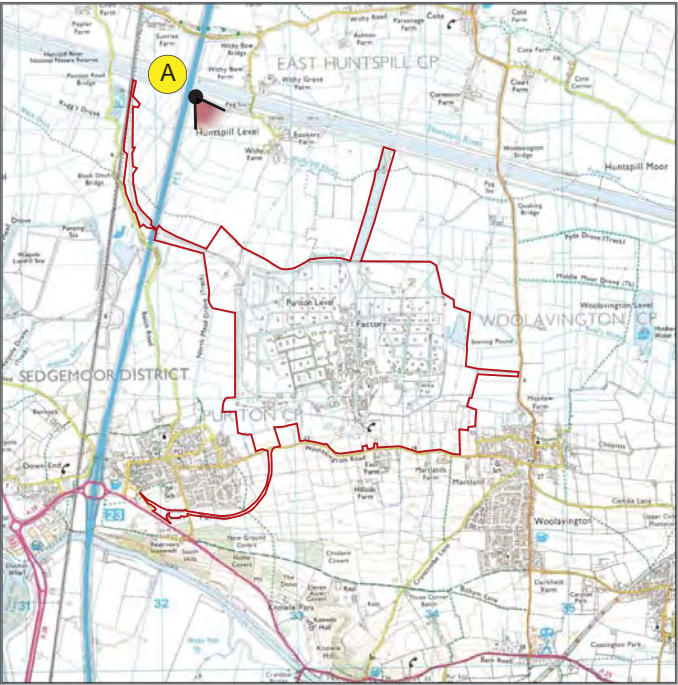


PHOTO: View looking south east from the M5 adjacent to the Huntspill River  
DISTANCE FROM SITE: Approximately 1200m  
RECEPTORS: Motorists

DATE: 27 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: South East  
VIEWPOINT ELEVATION: 5m AOD  
GRID REFERENCE: 332275, 144215  
FIELD OF VIEW (+/- 5°): 85°

 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.11 Viewpoint A	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-201	Rev:
				Scale: NTS					





PHOTO: View looking east to the Site from Batch Road  
DISTANCE FROM SITE: Approximately 500m  
RECEPTORS: Motorists and Pedestrians

DATE: 17 March 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: East  
VIEWPOINT ELEVATION: 7m AOD  
GRID REFERENCE: 331925, 142780  
FIELD OF VIEW (+/- 5°): 85°

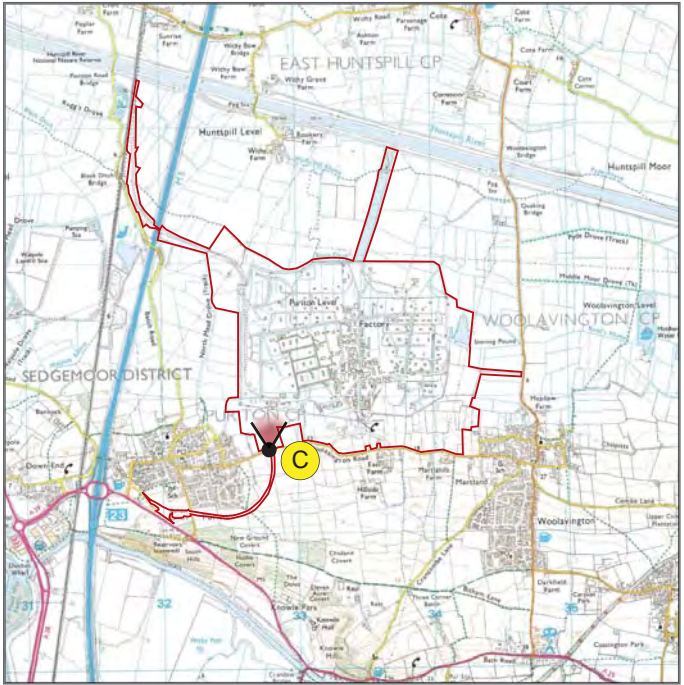
 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.12 Viewpoint B	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-202	Rev:
				Scale: NTS					





PHOTO: View looking north towards the Site from the Woolavington Road  
DISTANCE FROM SITE: Within LDO Area  
RECEPTORS: Motorists

DATE: 10 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: North  
VIEWPOINT ELEVATION: 15m AOD  
GRID REFERENCE: 332937, 141650  
FIELD OF VIEW (+/- 5°): 85°







Single Frame Shot



Contextual Panorama

PHOTO: View looking north-east across the Site from the Woolavington Road adjacent to Martlands Farm

DISTANCE FROM SITE: Adjacent to

RECEPTORS: Motorists

DATE: 10 February 2021

IMAGE HEIGHT: 140mm (cropped to 130mm)

VIEWING DISTANCE: 300mm

PAPER SIZE: A3 (420mm x 297mm)

CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)


ORIENTATION: North-east

VIEWPOINT ELEVATION: 18m AOD

GRID REFERENCE: 333884, 141576

FIELD OF VIEW (+/- 5°): 85°



 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.14 Viewpoint D	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-204	Rev:
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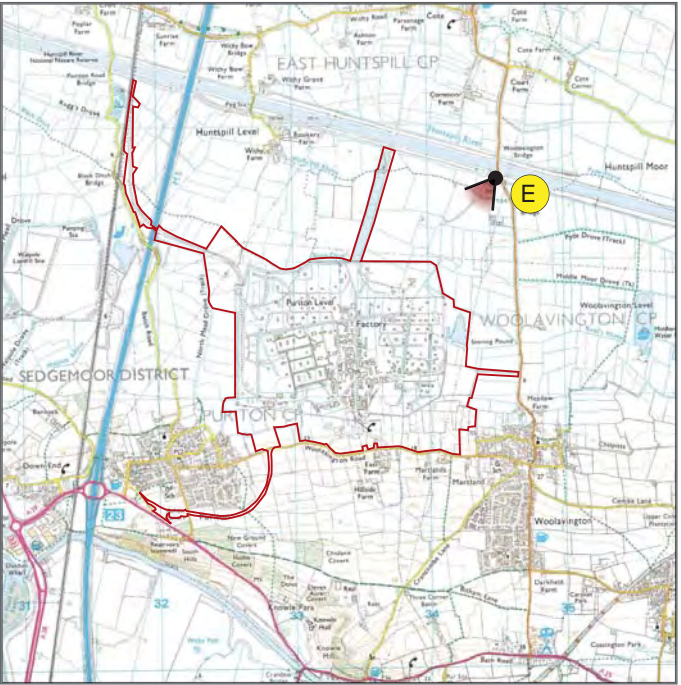


PHOTO: View looking SW to the Site from the car park adjacent to the Causeway immediate to the south of the Hunstspill River

DISTANCE FROM SITE: Approximately 800m

RECEPTORS: Walkers, anglers using car park & motorists on the Causeway

DATE: 17 March 2021

IMAGE HEIGHT: 140mm (cropped to 130mm)

VIEWING DISTANCE: 300mm

PAPER SIZE: A3 (420mm x 297mm)

CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)

ORIENTATION: South-west

VIEWPOINT ELEVATION: 6m AOD

GRID REFERENCE: 334513, 143602

FIELD OF VIEW (+/- 5°): 85°

 <p>1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251</p>	Project:  This is Gravity Environmental Statement	Title:  Figure 14.15 Viewpoint E	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-205	Rev: A
				Scale: NTS					





Single Frame Shot



Contextual Panorama

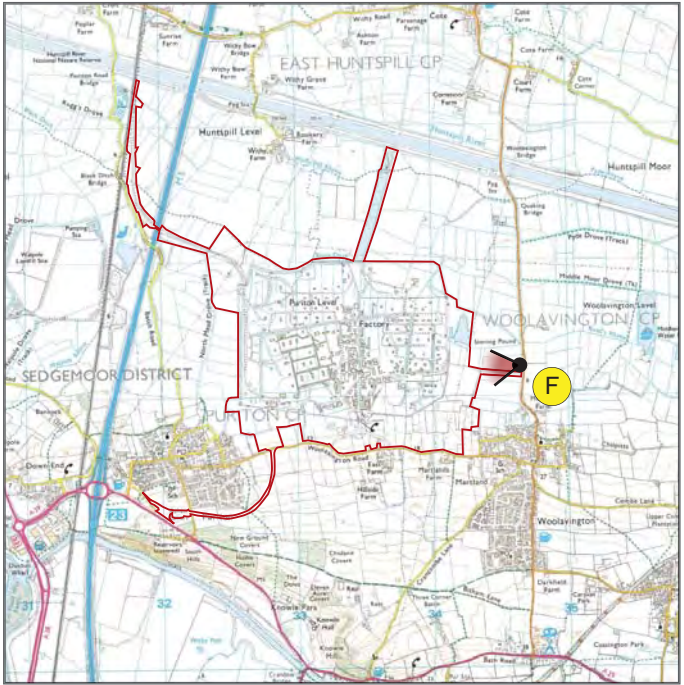


PHOTO: View looking west from the Causeway towards the Site  
DISTANCE FROM SITE: Approximately 560m to Main Site  
RECEPTORS: Motorists

DATE: 17 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: East  
VIEWPOINT ELEVATION: 7m AOD  
GRID REFERENCE: 334677, 142198  
FIELD OF VIEW (+/- 5°): 85°

 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.16 Viewpoint F	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-206	Rev:
				Scale: NTS					





Single Frame Shot



PHOTO: View looking south from Wither Road approaching East Huntspill  
DISTANCE FROM SITE: Approximately 1.9km to Main Site  
RECEPTORS: Residents in and around East Huntspill

DATE: 27 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: South  
VIEWPOINT ELEVATION: 6m AOD  
GRID REFERENCE: 334067 , 144890  
FIELD OF VIEW (+/- 5°): 85°



 <div>1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251</div>	Project:  This is Gravity Environmental Statement	Title:  Figure 14.17 Viewpoint G	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-207	Rev:
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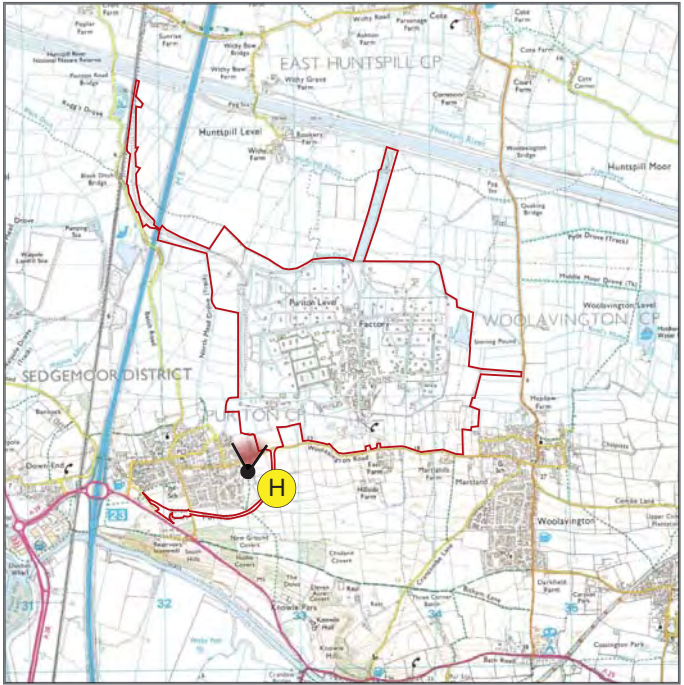


PHOTO: View looking north from footpath BW28/2 to the east of Puriton  
DISTANCE FROM SITE: Approximately 200m  
RECEPTORS: Walkers

DATE: 10 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: North  
VIEWPOINT ELEVATION: 24m AOD  
GRID REFERENCE: 332664, 141427  
FIELD OF VIEW (+/- 5°): 85°

 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.18 Viewpoint H	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-208	Rev:
				Scale: NTS					





Contextual Panorama

PHOTO: View looking north from bridleway BW28/1 adjacent to Home Covert  
DISTANCE FROM SITE: Approx. 750m from Main Site, 250m from new link road  
RECEPTORS: Walkers

DATE: 10 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: North  
VIEWPOINT ELEVATION: 53m AOD  
GRID REFERENCE: 332713, 140852  
FIELD OF VIEW (+/- 5°): 85°







Single Frame Shot

PHOTO: View looking north from Hillside as it enters Puriton from the south  
DISTANCE FROM SITE: Approx. 750m from Main Site, 90m from new link road  
RECEPTORS: Motorists and Pedestrians

DATE: 10 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: North  
VIEWPOINT ELEVATION: 47m AOD  
GRID REFERENCE: 332228, 141048  
FIELD OF VIEW (+/- 5°): 85°

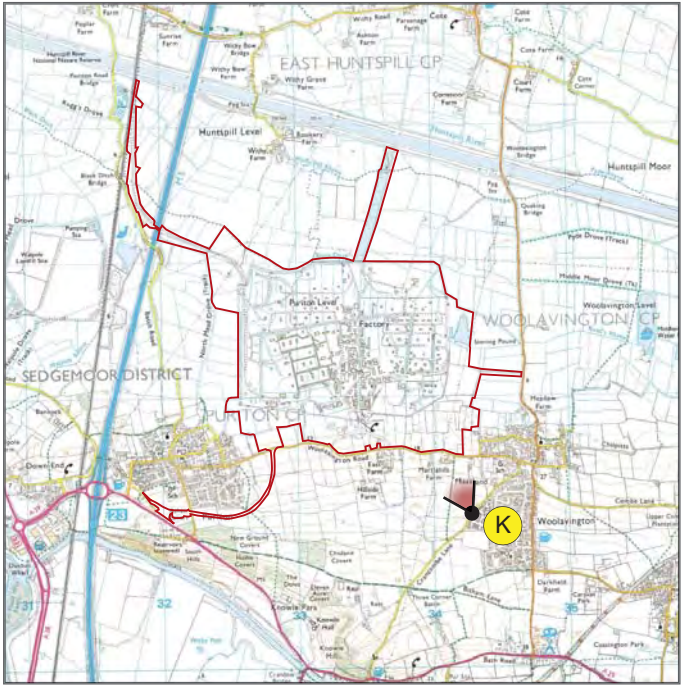






PHOTO: View looking north west from Crancombe Lane as it passes/enters Woolavington  
DISTANCE FROM SITE: Approximately 440m  
RECEPTORS: Motorists, Walkers and Residents

DATE: 10 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: North-west  
VIEWPOINT ELEVATION: 45m AOD  
GRID REFERENCE: 334267, 141108  
FIELD OF VIEW (+/- 5°): 85°



<div><p>1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251</p></div>	<div>Project:</div> <div>This is Gravity Environmental Statement</div>	<div>Title:</div> <div>Figure 14.21 Viewpoint K</div>	<div>Revisions:</div>	<div>Drawn by:</div> <div>JBG</div>	<div>Checked by:</div> <div>PJR</div>	<div>Status</div> <div>Planning</div>	<div>Date:</div> <div>09/02/2021</div>	<div>Drawing no:</div> <div>21-12-PL-211</div>	<div>Rev:</div>
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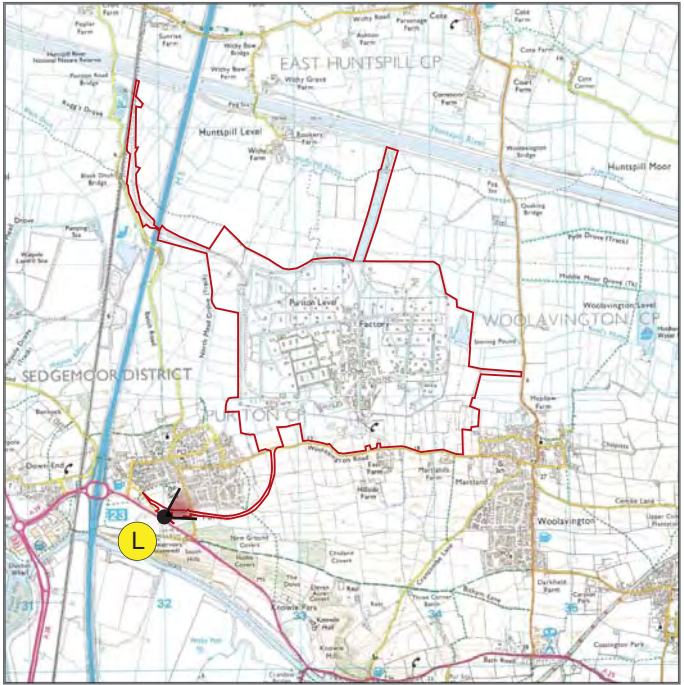


PHOTO: View looking east along the A39 to the south of Puriton  
DISTANCE FROM SITE: Approximately 850m from Main Site  
RECEPTORS: Motorists and Residents

DATE: 27 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: North-east  
VIEWPOINT ELEVATION: 39m AOD  
GRID REFERENCE: 331980, 141105  
FIELD OF VIEW (+/- 5°): 85°

 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.22 Viewpoint L	Revisions:	Drawn by: JBG	Checked by: PJR	Status Planning	Date: 09/02/2021	Drawing no: 21-12-PL-212	Rev: A
				Scale: NTS					





Single Frame Shot



Contextual Panorama

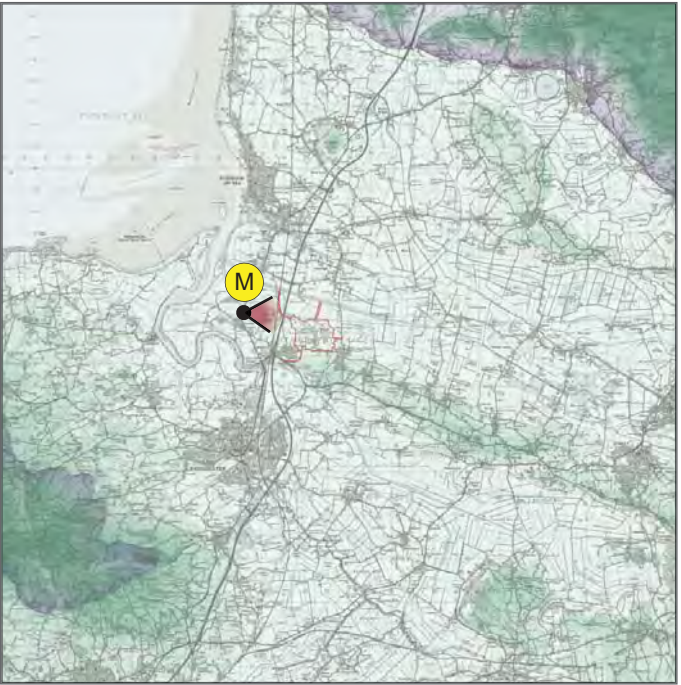


PHOTO: View looking east from Pawlett  
DISTANCE FROM SITE: Approximately 2.4 km  
RECEPTORS: Motorists and Residents

DATE: 27 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: East  
VIEWPOINT ELEVATION: 33m AOD  
GRID REFERENCE: 329992, 143306  
FIELD OF VIEW (+/- 5°): 85°

	Project:  This is Gravity Environmental Statement	Title:  Figure 14.23 Viewpoint M	Revisions:	Drawn by: JBG	Checked by: PJR	Status Scoping	Date: 09/02/2021	Drawing no: 21-12-PL-213	Rev: A
				Scale: NTS					



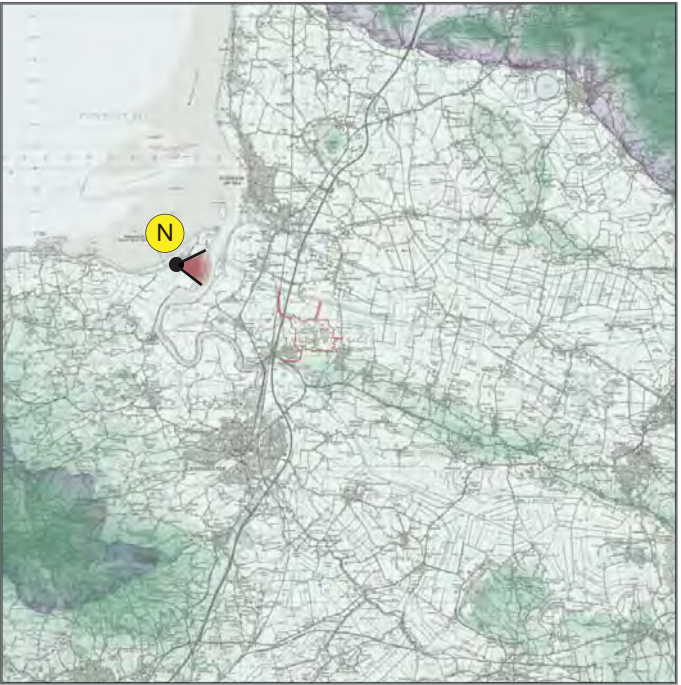


PHOTO: View looking east from Steart Drove (Long Distance Trail BW 25/3)  
DISTANCE FROM SITE: Approximately 5.7 km from Main Site (Excluding Rail line)  
RECEPTORS: Walkers/Bird Watchers

DATE: 27 February 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: East  
VIEWPOINT ELEVATION: 9m AOD  
GRID REFERENCE: 326678, 145398  
FIELD OF VIEW (+/- 5°): 85°

 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.24 Viewpoint N	Revisions:	Drawn by: JBG	Checked by: PJR	Status Scoping	Date: 09/02/2021	Drawing no: 21-12-PL-214	Rev: A
				Scale: NTS					





Single Frame Shot



Contextual Panorama

PHOTO: View looking north east from the Lydeard Hill within the Quantocks AONB

DISTANCE FROM SITE: Approx. 17 km

RECEPTORS: Walkers

DATE: 10 April 2017

IMAGE HEIGHT: 140mm (cropped to 130mm)

VIEWING DISTANCE: 300mm

PAPER SIZE: A3 (420mm x 297mm)

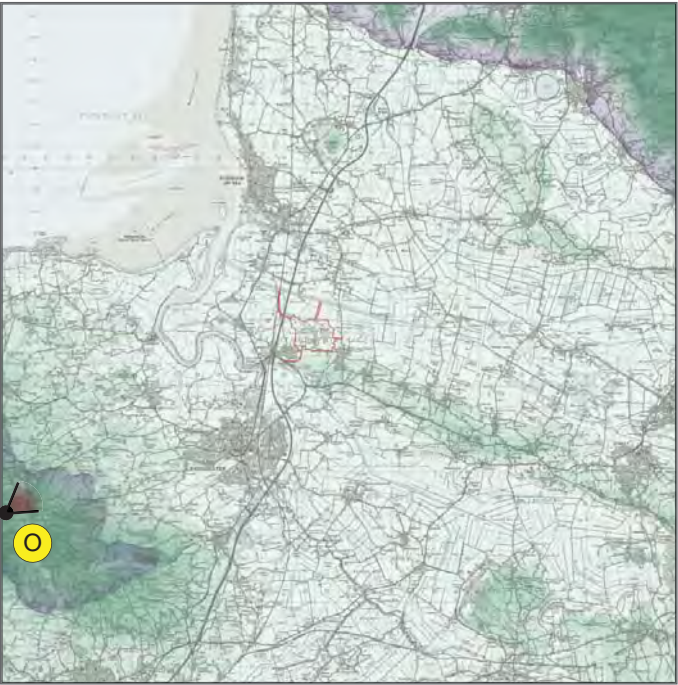
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)


ORIENTATION: North-east

VIEWPOINT ELEVATION: 365m AOD

GRID REFERENCE: 317954 , 134201

FIELD OF VIEW (+/- 5°): 85°



 1 Agincourt Square, Monmouth, NP25 3BT T: +44(0)1600 772251	Project:  This is Gravity Environmental Statement	Title:  Figure 14.25 Viewpoint O	Revisions:	Drawn by: JBG	Checked by: PJR	Status Scoping	Date: 09/02/2021	Drawing no: 21-12-PL-215	Rev: A
				Scale: NTS					



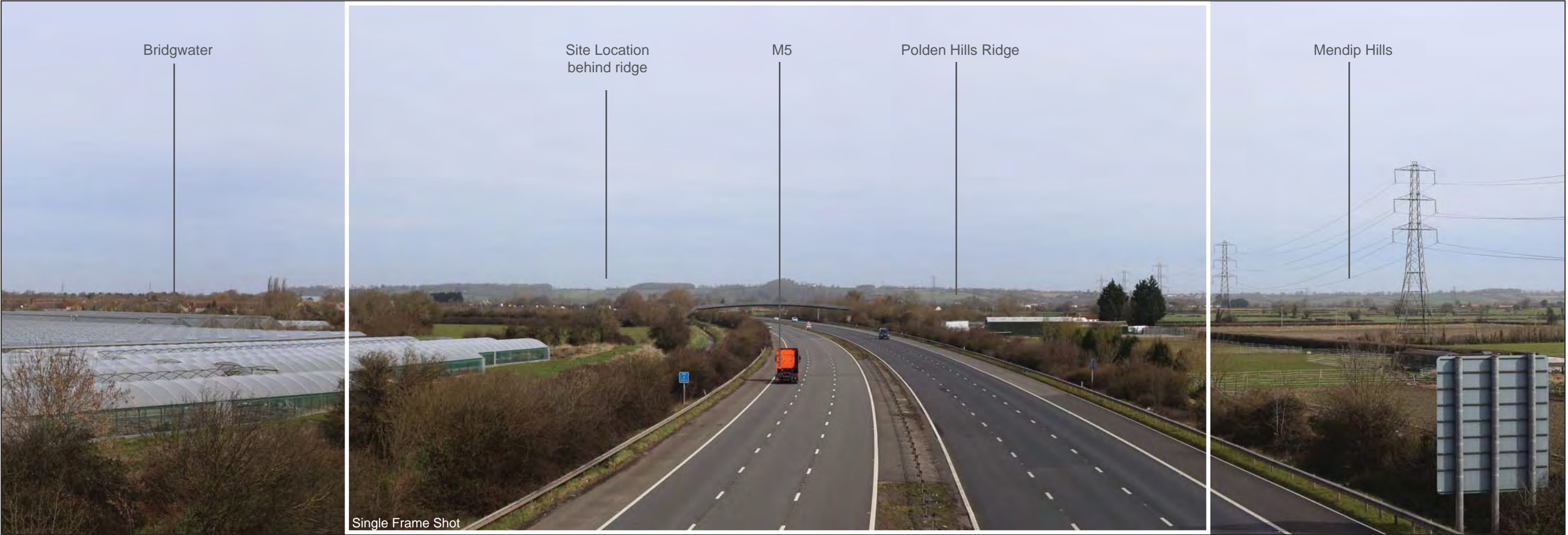
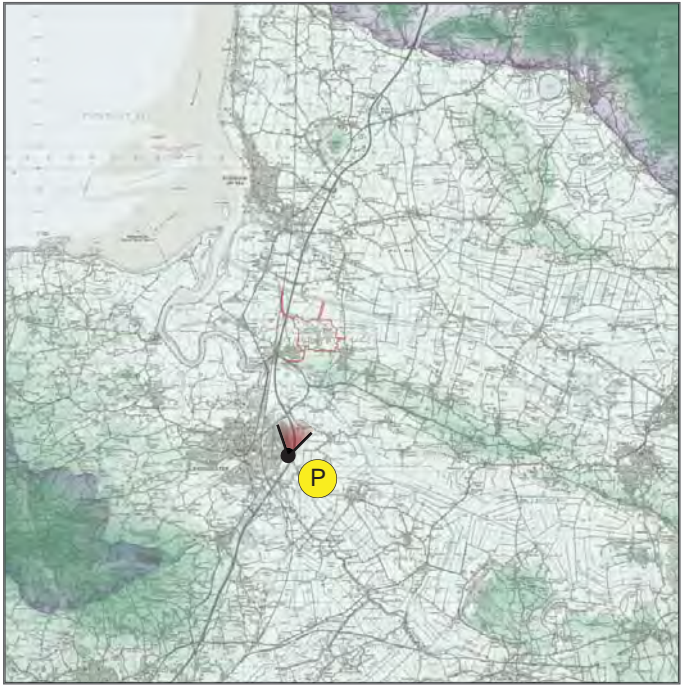


PHOTO: View looking north from bridge above the M5  
DISTANCE FROM SITE: Approximately 5km from the Main Site (excluding link road)  
RECEPTORS: People to the south of the Polden Ridge (including residents, walkers and motorists)

DATE: 17 March 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: North  
VIEWPOINT ELEVATION: 22m AOD  
GRID REFERENCE: 332190, 136514  
FIELD OF VIEW (+/- 5°): 85°





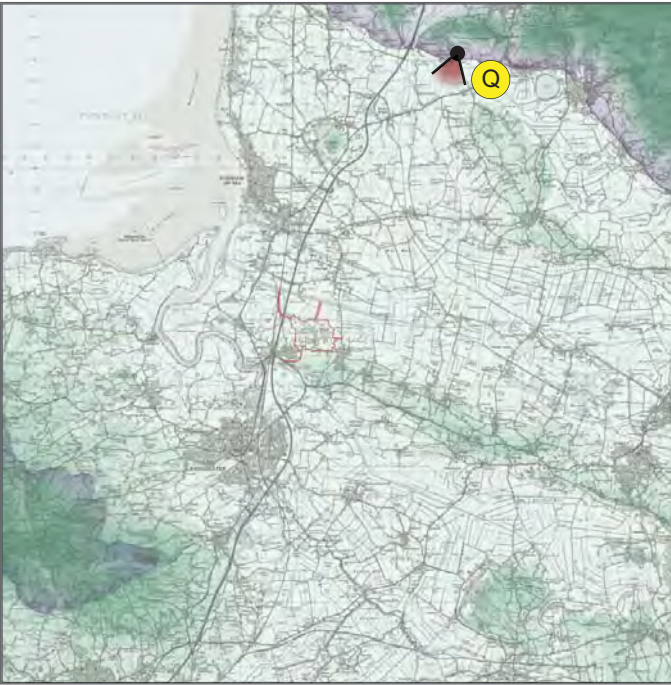
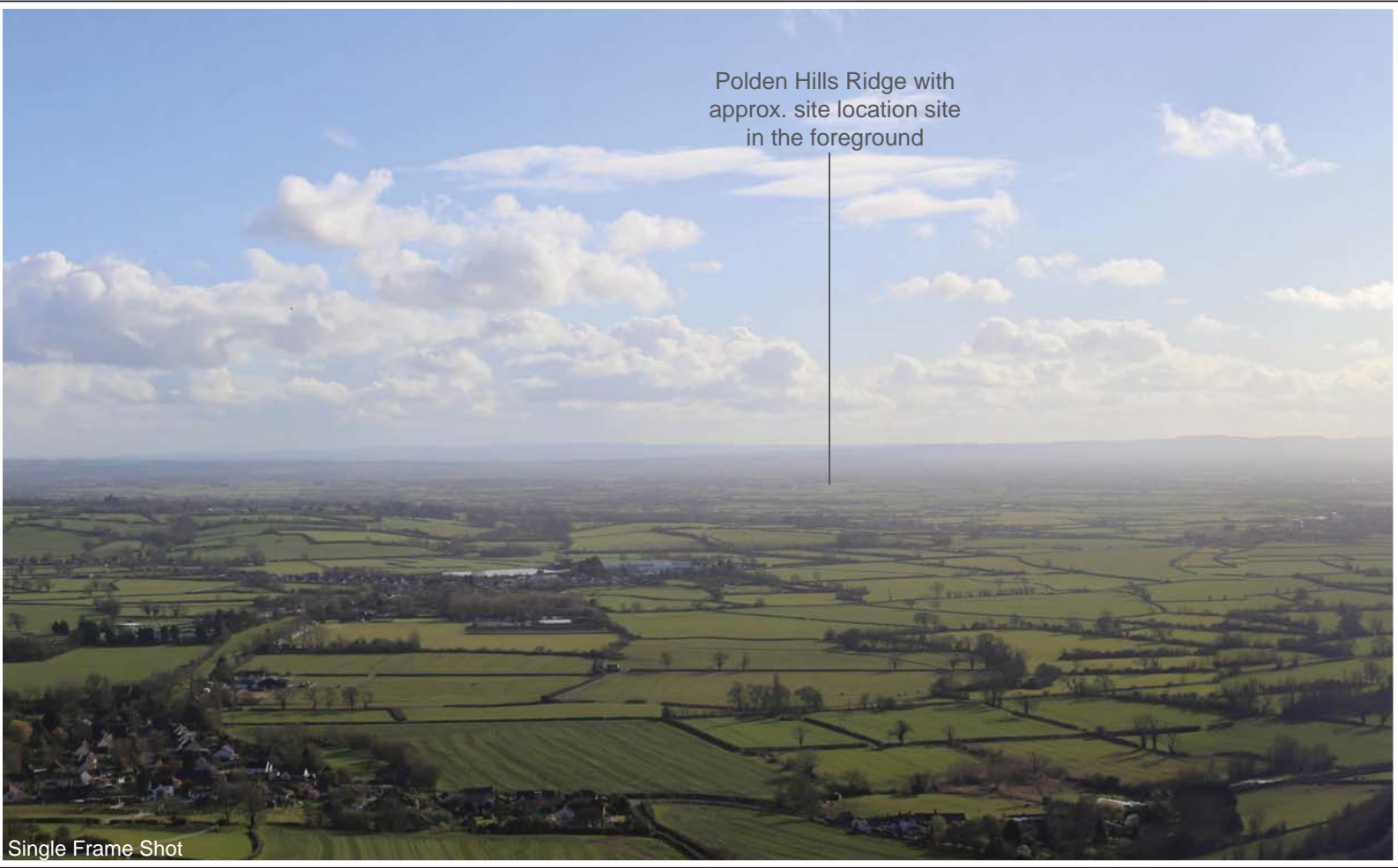


PHOTO: View looking south from Cross Plain on the Mendip Hills  
DISTANCE FROM SITE: Approximately 15km  
RECEPTORS: Walkers

DATE: 26 March 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: South  
VIEWPOINT ELEVATION: 150m AOD  
GRID REFERENCE: 341248, 155680  
FIELD OF VIEW (+/- 5°): 85°



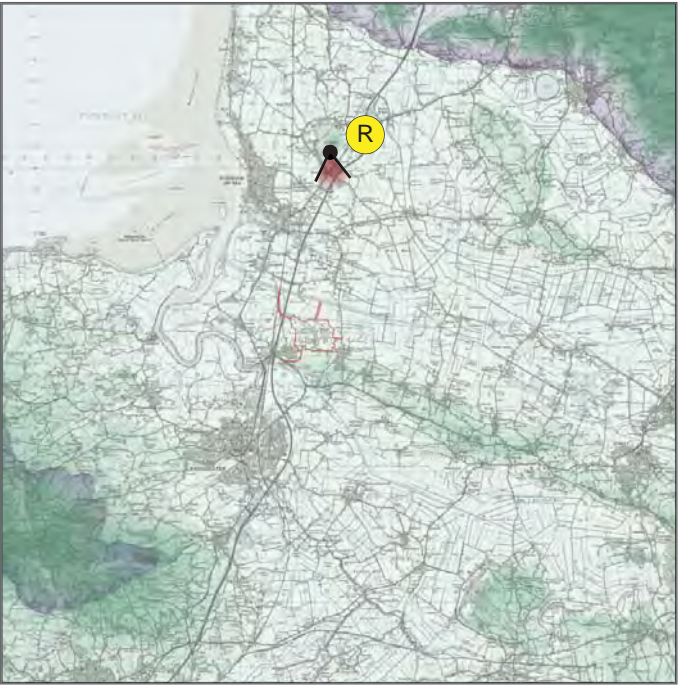
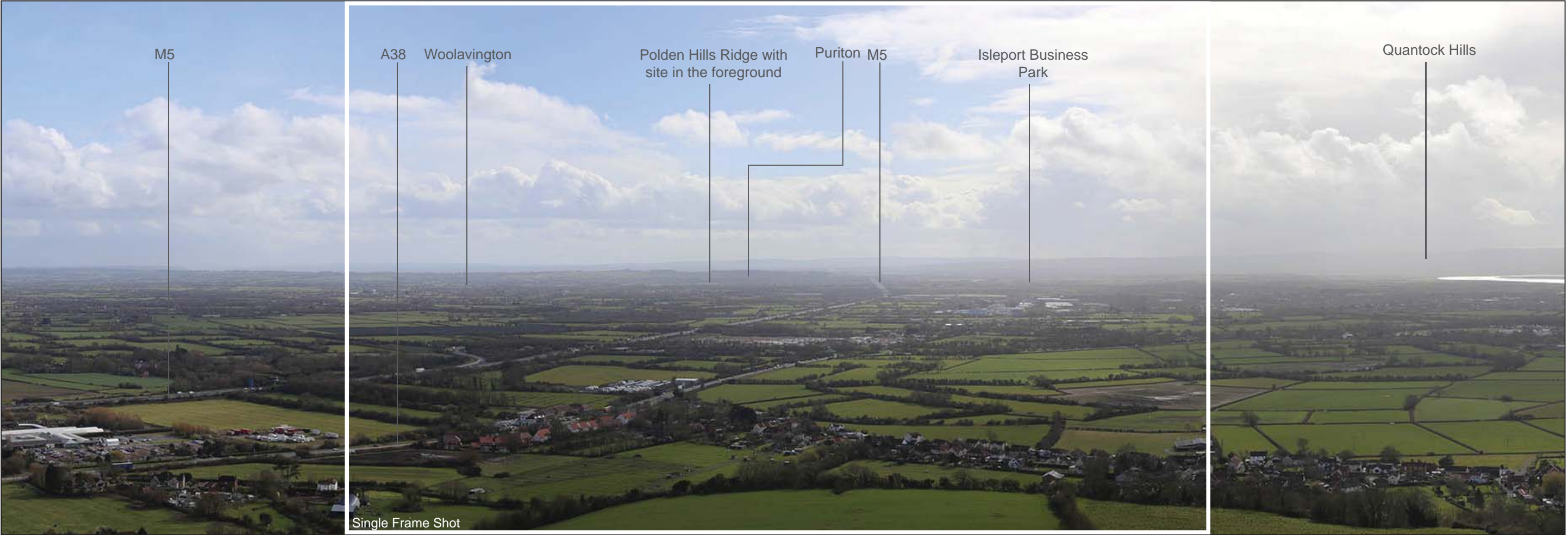
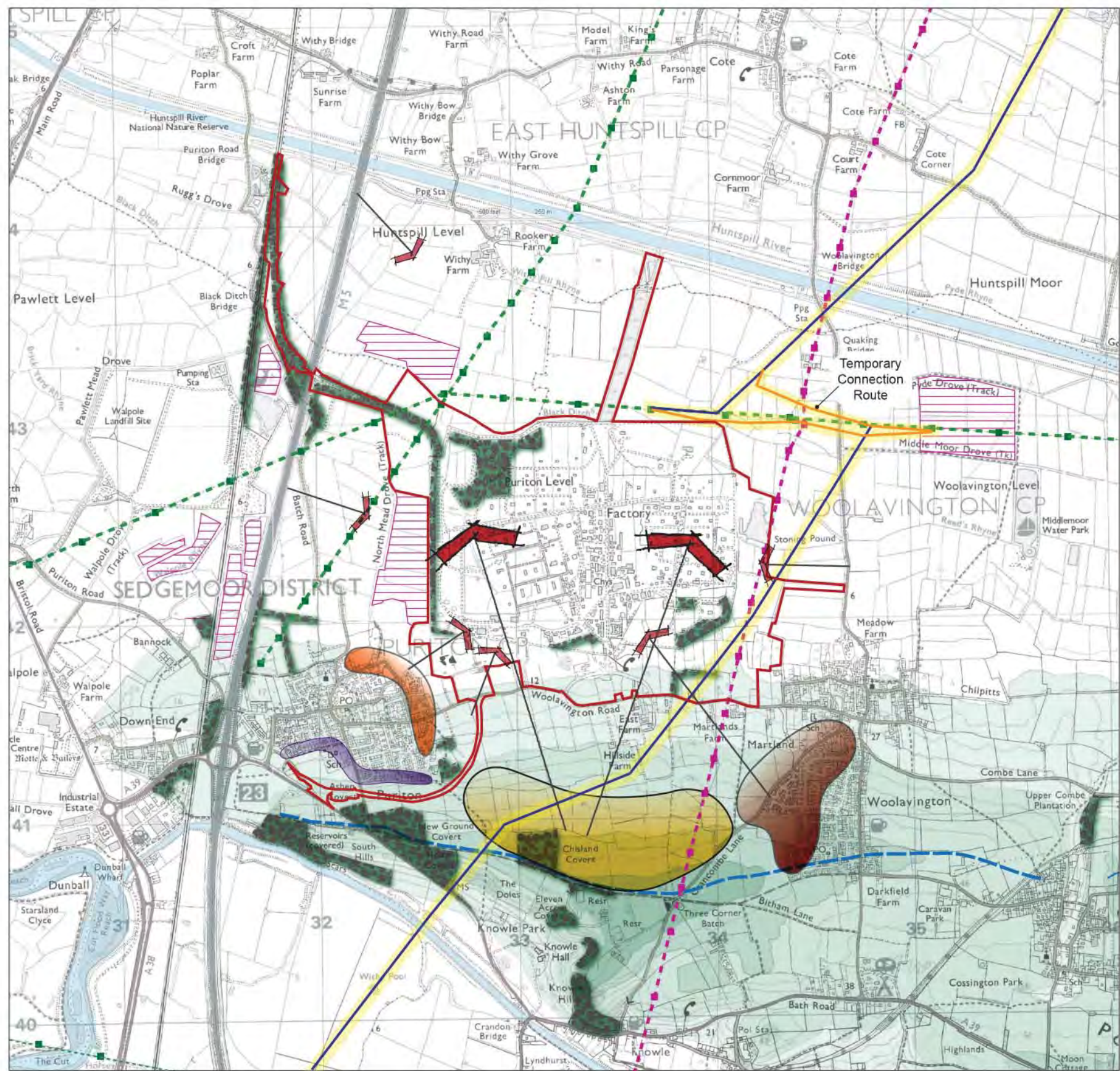


PHOTO: View looking south-east from Brent Knoll  
DISTANCE FROM SITE: Approximately 8.5km  
RECEPTORS: Walkers

DATE: 26 March 2021  
IMAGE HEIGHT: 140mm (cropped to 130mm)  
VIEWING DISTANCE: 300mm  
PAPER SIZE: A3 (420mm x 297mm)  
CAMERA: Canon EOS 5D/6D (fixed 50mm Lens)  
ORIENTATION: South-east  
VIEWPOINT ELEVATION: 139m AOD  
GRID REFERENCE: 334091, 150908  
FIELD OF VIEW (+/- 5°): 85°





- Legend**
- LDO Site Boundary
  - Woodland blocks
  - Significant belts of trees
  - Pylons & transmission lines/cables
  - Pylons & transmission lines/cables removed as part of Hinkley works
  - Hinkley Point C Connection Route (limit of deviation illustrated via yellow fill)
  - Hinkley Point C - Temporary Connection Route
  - Solar Park
  - Notable Viewpoint
  - Rivers (Huntspill & Parrett)
  - Polden Hills (visual threshold in relation to Site indicated with blue line)
  - Residential properties along the western side of Woolavington enjoy elevated filtered views towards the site
  - Residential properties along the northern and eastern sides of Puriton have some limited and filtered views towards the site
  - Polden Hills landscape has a strong visual relationship to the site

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# Gravity

Smart Campus

**Gravity LDO Environmental Statement**  
**Volume 2 – Appendices**  
**Appendix 14.1b Photomontages LVIA**  
**Figures 14.30 – 14.49**



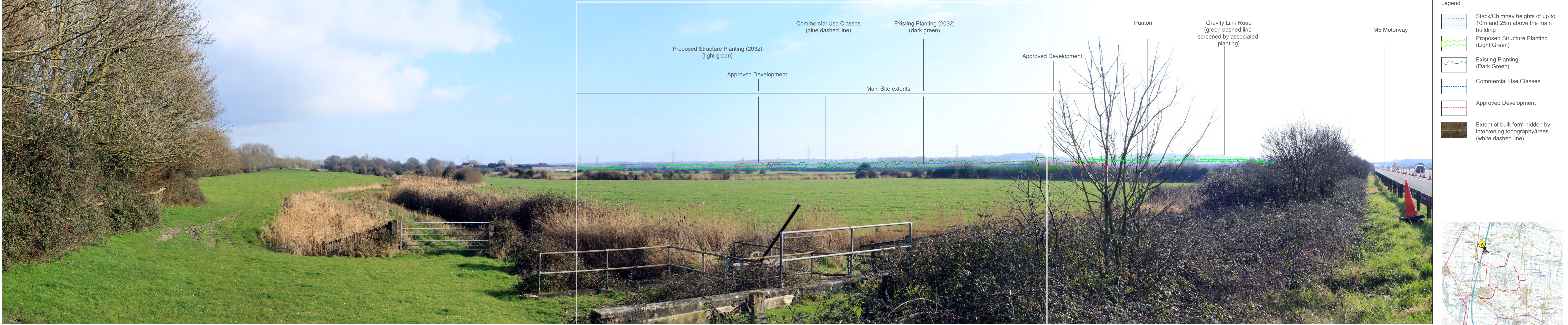
This is Gravity

**LVIA - Photomontages**

Figures 14.30 - 14.49

**August 2021**

















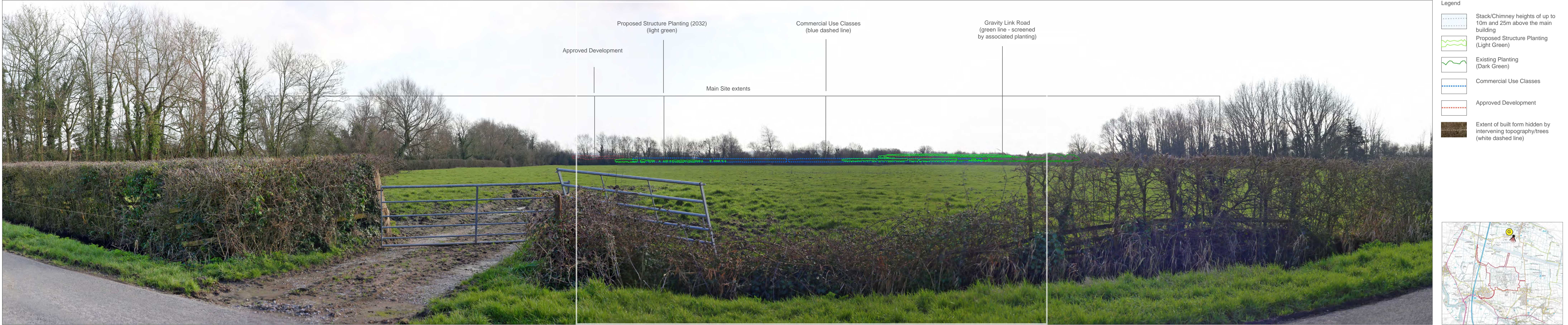






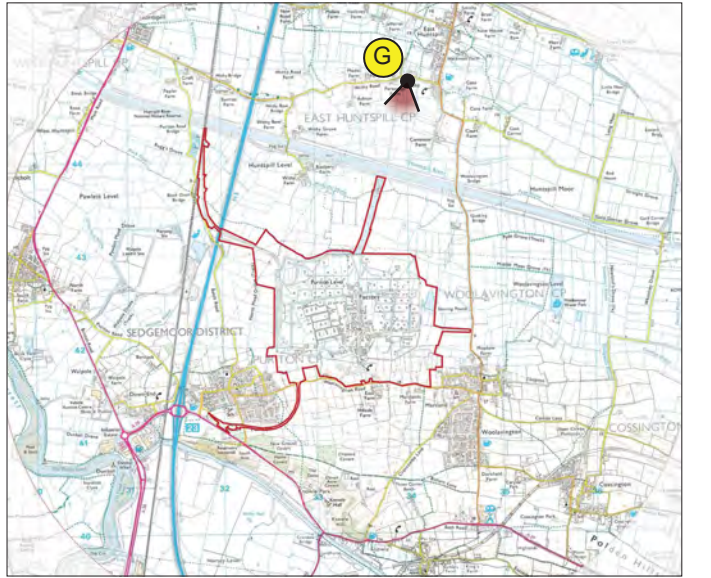






Legend

- Stack/Chimney heights of up to 10m and 25m above the main building
- Proposed Structure Planting (Light Green)
- Existing Planting (Dark Green)
- Commercial Use Classes
- Approved Development
- Extent of built form hidden by intervening topography/trees (white dashed line)



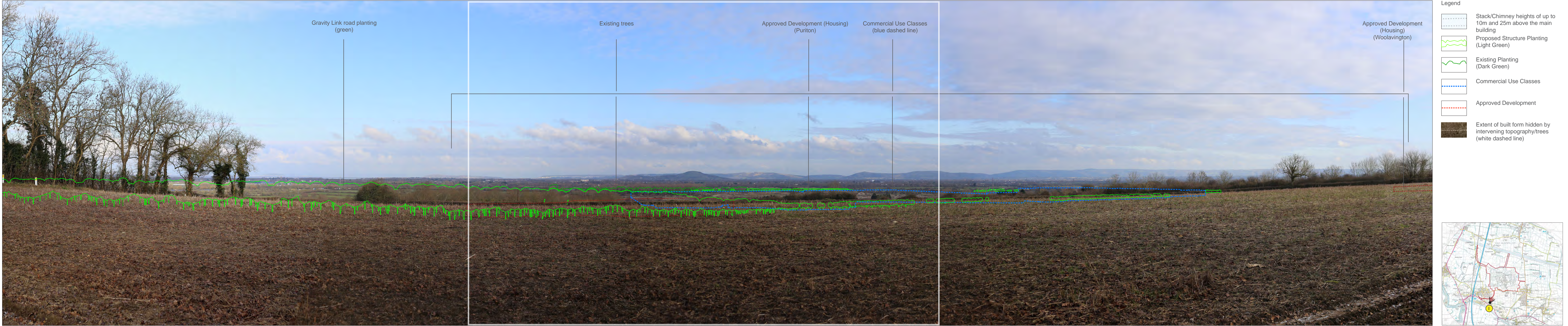




















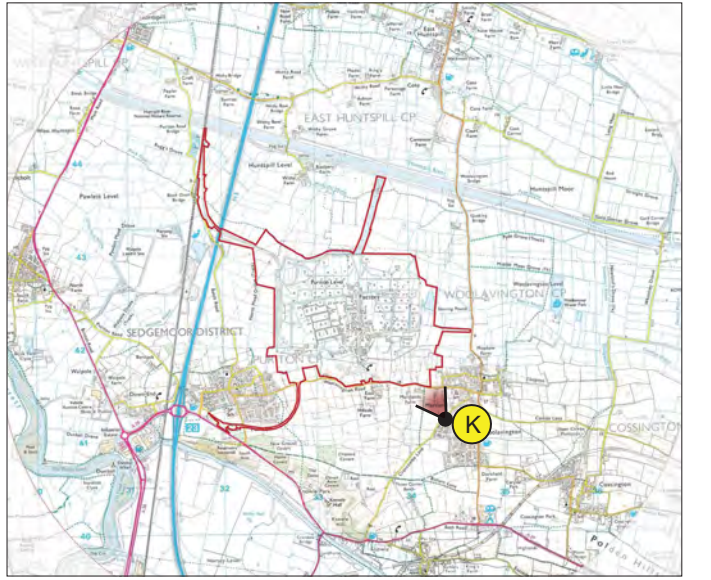








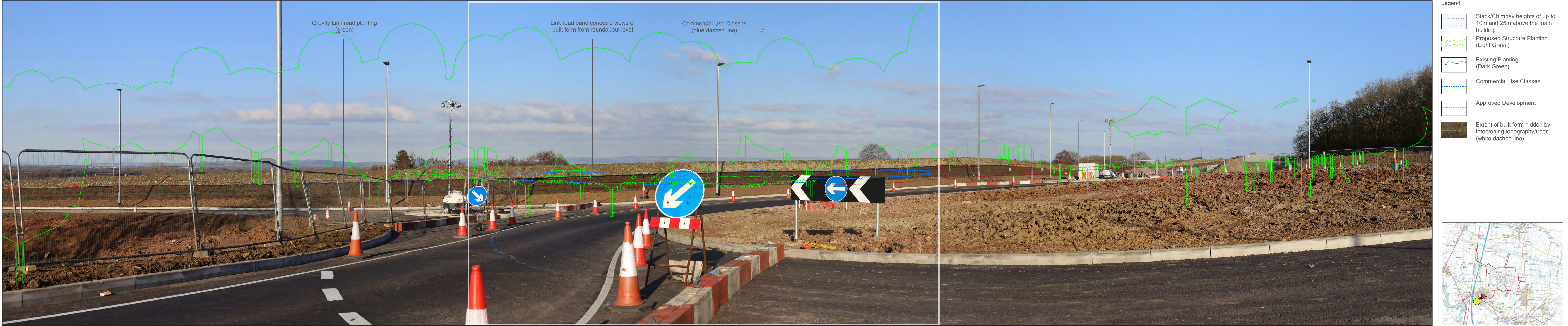
- Legend
- Stack/Chimney heights of up to 10m and 25m above the main building
  - Proposed Structure Planting (Light Green)
  - Existing Planting (Dark Green)
  - Commercial Use Classes
  - Approved Development
  - Extent of built form hidden by intervening topography/trees (white dashed line)



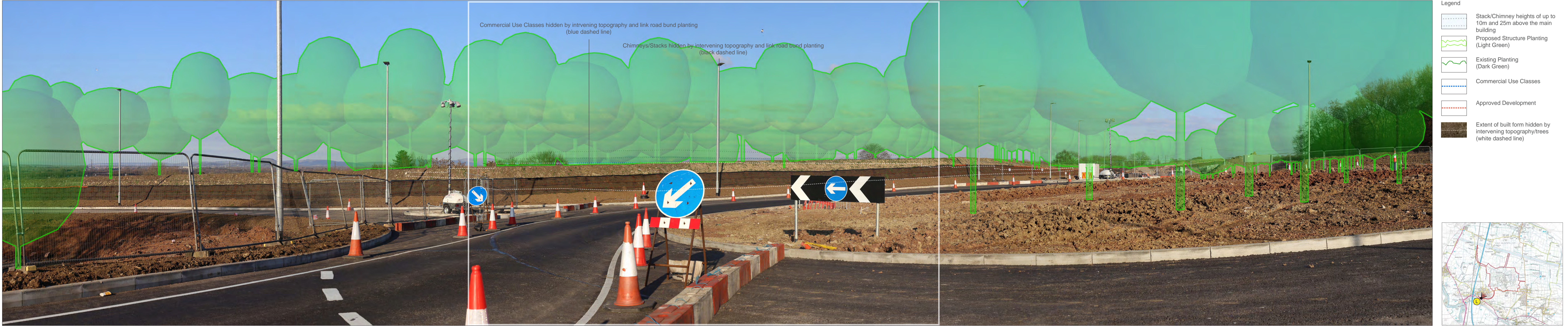




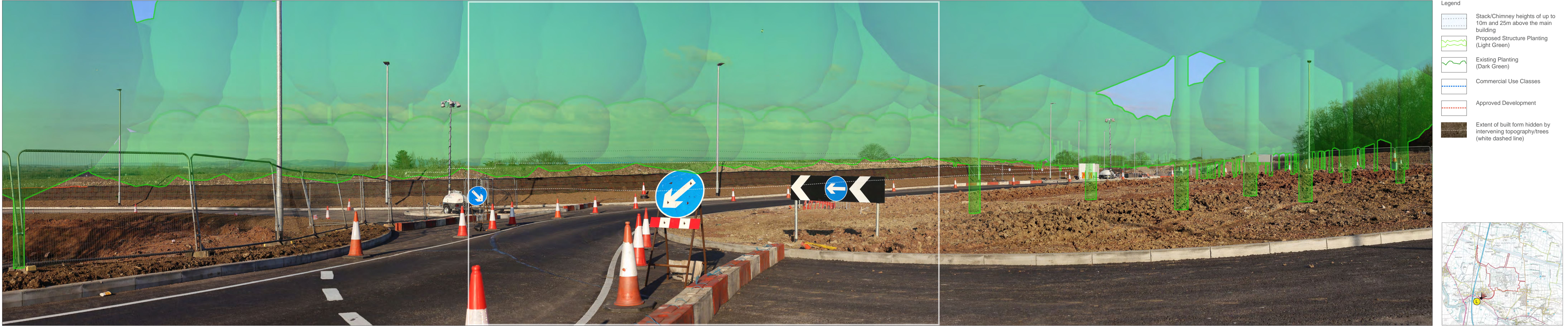




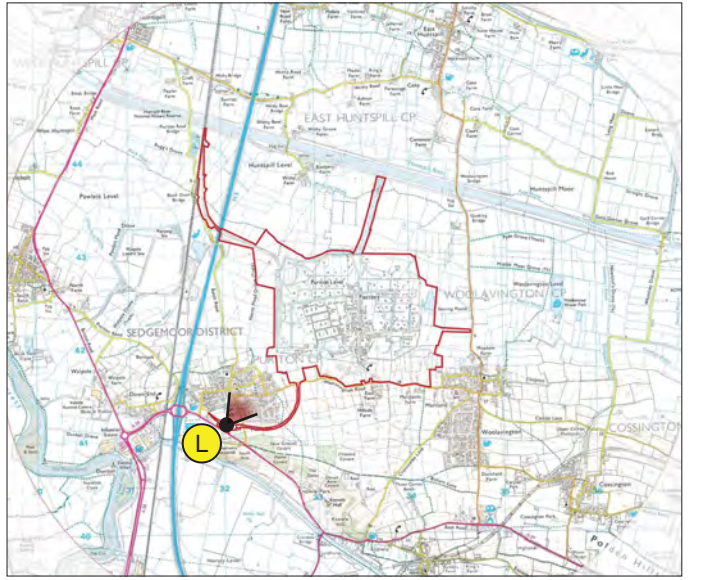








- Legend
- Stack/Chimney heights of up to 10m and 25m above the main building
  - Proposed Structure Planting (Light Green)
  - Existing Planting (Dark Green)
  - Commercial Use Classes
  - Approved Development
  - Extent of built form hidden by intervening topography/trees (white dashed line)















# Gravity

Smart Campus

**Gravity LDO Environmental Statement**  
**Volume 2 – Appendices**  
**Appendix 14.2 Photomontage Methodology**



### Proposed Photomontage Methodology

#### 1.0 INTRODUCTION

- 1.1 The purpose of this statement is to establish the procedure used to create the photomontages showing the 2032 Baseline and the Proposed Development at the above location. All photography, survey and photomontage work has been carried out in compliance with the Landscape Institute and Institute of Environmental Management & Assessment Guidelines for Landscape and Visual Assessment, Third Edition. Also the Landscape Institute Technical Guidance Note, Visual Representation of Development Proposals, 06/19.
- 1.2 The photomontage work has been prepared by a specialist photomontage/CGI consultancy.
- 1.3 The hardware used: -
- Apple Macintosh computers
  - Canon EOS 6D, EF50mm f/1.8 II lens
- 1.4 The software used: -
- VectorWorks
  - Artlantis Studio
  - Adobe Photoshop

#### 2.0 METHODOLOGY

- 2.1 The photographic views were taken on site on 10th Feb 2021, 27th Feb 2021, also on 17th March 2021 with a high-resolution full frame digital camera using a fixed 50mm lens. The centre of the camera sensor was set at approximately 1650mm above existing ground level. The weather was varied ranging from clear and overcast to clear, bright, sunny with some cloud cover, to bright sunny and hazy. The photography was carried out with regard to the guidance and photography methodology as set out in LI guidance note 06/19 appendix 1 to 3.
- 2.2 A fixed 50mm lens was used as this is considered to be the benchmark for landscape technical photography. This lens was chosen with reference to the guidelines in Visual Representation of Development Proposals, Technical Guidance Note 06/19 Appendix 1.1.5.
- 2.3 The photographs were taken in landscape orientation and are panoramas produced from individual photographs stitched together with a minimum 50% overlap as described in appendix 3.3 of Technical Guidance Note 06/19.
- 2.4 The viewpoint locations were selected by The Richards Partnership LLP in consultation with the Local Planning Authority, and the Client. Survey information on the viewpoint locations, site and surroundings was provided by the Environment Agency National LIDAR Programme and OS data and existing tree survey information was provided by Wharton National Infrastructure Consultants in accordance with the RICS Client Specification Guidelines, also proposed 3D information was provided via The Richards Partnership LLP for the access road. These were converted to OSGB36 (National Grid and Ordinance Datum) coordinates and were later placed into a 3D CAD model. The recording of the camera position and survey control points was carried out with reference to appendix 3.4 of Technical Guidance Note 06/19.



## 21-12 Gravity Photomontage Methodology

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- 2.5 Electronic drawings and documents were supplied to The Richards Partnership LLP including the parameters set out on the **Building Heights parameter plan 6599\_PP204F**, and **Strategic Landscape parameter plan 6599\_PP206C**, and these drawings, along with drawings and documents from the 2017 Planning Consent and information on Adjacent Development from ES Appendix F and H) were used to prepare a 3D CAD model of the Proposed Development and selected existing reference points based on the OSGB36 (National Grid and Ordinance Datum) coordinates.
- 2.6 The overall combined CAD model was then exported to a rendering application and rendered images were produced from the surveyed viewpoints matching the original photographic locations.
- 2.7 As a check to accuracy, existing photographs were imported into the rendering application to confirm existing features on the photograph were aligned with their corresponding survey and CAD information before rendering the images.
- 2.8 The rendered computer images were then placed into the photographs and scaled/positioned so that the reference features in the image matched those in the photographs. Once a fit was made, it was deemed that the development proposals were correctly scaled and positioned in the photograph.
- 2.9 The placing of the images was achieved using the image matching technique as outlined in Visual Representation of Development Proposals, Technical Guidance note 06/19 Appendix 12.2.
- 2.10 The original images and outlines of the rendered structures in the views were combined in Adobe Photoshop. Then using survey information, aerial photographs and 'streetview' and other web based information existing foreground features were placed back over the proposed outlines in Photoshop to show which parts of the proposals would be visible.
- 2.11 Estimated, typical tree planting growth rates and heights as advised by the project arboriculturalists were used to produce the year 1 and year 15 images, as stated in the Landscape and Visual ES chapter.
- 2.12 The accuracy of the photomontages could possibly be improved by very precise surveying of the viewpoints to reduce the effects of very minor position inaccuracies, although due to the resolution of the photographs, the distance the photographs were taken from the Proposed Development and the digital matching techniques used, no visual variation would be discernible.