



**Tylorstown Landslide**  
Environmental Impact Assessment  
Volume 3 - Appendices  
Series 8 Landscape and Visual Effects  
December 2021



## Appendix 8.1

### Volume of Visualisations

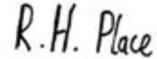
# Tylorstown Landslip Phase 4

## Appendix 8.1 Volume of Visualisations

September 2021



## Quality Management

<b>Job No</b>	GC003613		
<b>Project</b>	Tylorstown Landslip Phase 4		
<b>Location</b>	Tylorstown, Rhondda Cynon Taff, South Wales		
<b>Title</b>	Water Framework Directive Compliance Assessment Appendix 10.1 Volume of Visualisations		
		<b>Issue / Revision</b>	<b>S2 Issued for PAC P02</b>
<b>File Reference</b>	GC3614-RED-0074-XX-RP-L-0017		
<b>Date</b>	September 2021		
<b>Prepared by</b>	Paul O'Byrne <i>Principal Environmental Mitigation Consultant</i>	<b>Signature (for file)</b>	
<b>Checked by</b>	Rosie Place <i>Principal Landscape Architect</i>	<b>Signature (for file)</b>	
<b>Authorised by</b>	Sue Kaner <i>Technical Director</i>	<b>Signature (for file)</b>	

## Revision Status / History

Rev	Date		Prepared	Checked	Authorised
P01	20/05/2021	Issued for PAC	PO'B	RP	NH
P02	21/09/2021	Issued for PAC	PO'B	RP	NH

## Contents

### Volume 5: A3 Volume of Visualisations

**Visual Impact Assessment**  
Scheme Alignment Zones of Theoretical Visibility  
(Bare Earth) showing viewpoints

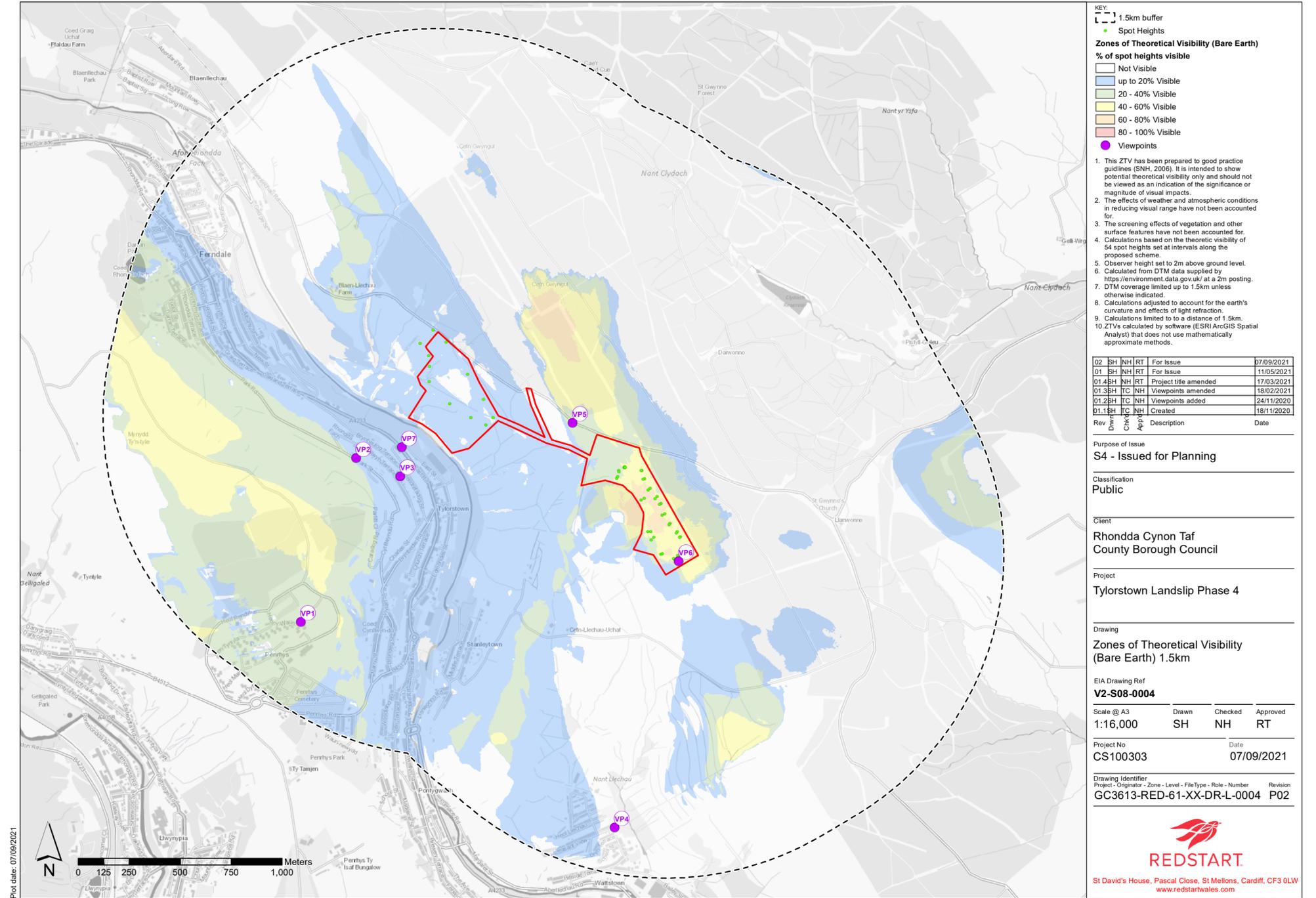
**A3 Size Viewpoint Visuals:**  
Detailed Field of View Plans.  
Viewpoint Single Frame Image Photographs  
Viewpoint Panoramic Photographs  
Viewpoint Panoramic Wireframe Models

## Introduction

## Background

The following photographic viewpoints support the Visual Impact Assessment for Tylorstown Landslip Phase 4

Viewpoint 1	Heol Tir Gwaidd, Penrhys
Viewpoint 2	PRoW TYL 2/1, Park Street
Viewpoint 3	Union Place at the junction with Arfryn Terrace
Viewpoint 4	Heol Llechau Wattstown
Viewpoint 5	PRoW TYL 9/1 Blaenllechau Rd
Viewpoint 6	PRoW TYL 9/1 south east of the Old Smokey
Viewpoint 7	The junction of East Road and East Street leading to the Rhondda Fach Leisure Centre



**KEY**

- 1.5km buffer
- Spot Heights

**Zones of Theoretical Visibility (Bare Earth)**

**% of spot heights visible**

- Not Visible
- up to 20% Visible
- 20 - 40% Visible
- 40 - 60% Visible
- 60 - 80% Visible
- 80 - 100% Visible
- Viewpoints

1. This ZTV has been prepared to good practice guidelines (SNH, 2006). It is intended to show potential theoretical visibility only and should not be viewed as an indication of the significance or magnitude of visual impacts.
2. The effects of weather and atmospheric conditions in reducing visual range have not been accounted for.
3. The screening effects of vegetation and other surface features have not been accounted for.
4. Calculations based on the theoretic visibility of 54 spot heights set at intervals along the proposed scheme.
5. Observer height set to 2m above ground level.
6. Calculated from DTM data supplied by <https://environment.data.gov.uk> at a 2m posting.
7. DTM coverage limited up to 1.5km unless otherwise indicated.
8. Calculations adjusted to account for the earth's curvature and effects of light refraction.
9. Calculations limited to a distance of 1.5km.
10. ZTVs calculated by software (ESRI ArcGIS Spatial Analyst) that does not use mathematically approximate methods.

Rev	Drawn	Checked	Appr	Description	Date
02	BH	NH	RT	For Issue	07/09/2021
01	BH	NH	RT	For Issue	11/05/2021
01.4	BH	NH	RT	Project title amended	17/03/2021
01.3	BH	TC	NH	Viewpoints amended	18/02/2021
01.2	BH	TC	NH	Viewpoints added	24/11/2020
01.1	BH	TC	NH	Created	18/11/2020

Purpose of Issue  
**S4 - Issued for Planning**

Classification  
**Public**

Client  
**Rhondda Cynon Taf  
County Borough Council**

Project  
**Tylorstown Landslip Phase 4**

Drawing  
**Zones of Theoretical Visibility  
(Bare Earth) 1.5km**

EIA Drawing Ref  
**V2-S08-0004**

Scale @ A3	Drawn	Checked	Approved
1:16,000	SH	NH	RT

Project No  
**CS100303**

Date  
**07/09/2021**

Drawing Identifier  
Project - Originator - Zone - Level - File Type - Role - Number Revision  
**GC3613-RED-61-XX-DR-L-0004 P02**

St David's House, Pascal Close, St Mellons, Cardiff, CF3 0LW  
[www.redstartwales.com](http://www.redstartwales.com)

Plot date: 07/09/2021

The photography and photomontage in this document follows the guidance set out in "Photography and photomontage in landscape and visual impact assessment, Landscape Institute; Advice Note 01/11; March 2011"

The following equipment was used on site to carry out the photography.

Camera setup

- Canon 6D
- Canon EF 50MM F1.4
- Remote Shutter release
- Panoramic Head Manfrotto 303SPH
- Leveller: Manfrotto 338 Leveling Base
- Tripod Manfrotto 190X3 & 496 RC2 Tripod

Other Equipment:

- GPS locator
- Digital compact camera
- Tape measure

At each receptor survey station, the following procedure was carried out in sequence, during suitable daylight hours of 08:00 and 17:00:

- Determine the best position for camera location in relation to the type of receptor (specific or representative).
- Determine the centre of the view using detailed scheme proposals overlaid on a detailed OS plan. Typically aligned to the proposed new roundabouts, new bridge spans or the centre of the proposed scheme in the view.
- Setup the tripod with a camera and measure the height of 1.5m above ground, using a tape measure. There will be minor variations in height due the height of the assessor.
- Level the camera on the horizontal plane using the tripod mounted levelling base and check level through 360 degrees.
- Set up first camera shot, centred on features (as above) and set the fixed increments on the panoramic head to 20 degrees.
- Set the Manual focus to infinity and retain the focus for all subsequent shots in the panoramic sequence.
- Take a full panoramic sequence of 18 shots (clockwise) at 20 degree fixed intervals, to give a full 360 degree sweep, using the remote shutter release to avoid accidental adjustment of the camera settings.
- Take a photo of the camera setup and location using a separate camera to allow for reproduction.

### Image Processing

Images were downloaded from the camera memory card in Jpeg format.

The image size are 5472 x 3648 for the Canon 6D photography

### Panoramic Stitching

Composite panoramic images were created by stitching the images together using PTGUI Pro Software to a cylindrical projection. All the 18 images were stitched to obtain a 360 degree field of view.

Panoramic images were stitched with the photo centred on the central image taken in the field, Once stitched the panorama displays the true focal length of the image.

The image size was changed in Photoshop to 36,000 pixels to represent 360 degrees. The canvas size could then

accurately be changed to the corresponding field of view in each panorama.

### Model Panoramas

3DS Max was used in conjunction with V-Ray render engine to output 360 degree wire frame cylindrical renders from the 3D model. Cameras have been set up in the model for each viewpoint taken in the field. The image size was output to match the image size of the existing panoramas output from PTGUI Pro. The image size was then changed in Photoshop using the same process as for the existing panoramas.

### Photowire

The model panoramas and the original panoramas taken in the field were overlaid in Photoshop to show how the scheme sits in the existing landscape.

### Single Image Frame

A 50mm prime lens with a fixed focal length was used with the camera.

The original images have also been converted to a 75mm focal lengths by adjusting the canvas size.

75mm represents the average field of view of the human eye.

### Viewpoint Locations

GPS coordinates were recorded on site for viewpoints 1 to 7.

Station photographs, taken of the camera setup with a compact camera, were used to locate the viewpoint locations precisely.

### Viewing Height

The ground elevation for each viewpoint was obtained from the GPS data. The camera height was set up at 1.5m above ground level. There will be minor variations in height due the height of the assessor.

### Detailed Viewpoint Plans

Detailed field of view plans were created to show the location, direction and field of view at each location. The coloured triangles represent the different field of view for each image. These are represented as follows.

Yellow band : Panoramic image field of view.

Blue band : 50mm lens single frame image field of view (39.6 degrees).

Purple band : 75mm lens single frame image field of view (27.0 degrees).

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Detailed Viewpoint Plan - Figure reference: VP 1 - Heol Tir Gwaidd, Penrhys  
Location description:

Grid Reference: 300424,195064

Altitude: 178.7m AOD  
Viewing Direction Angle: 180 Deg



Viewpoint number and location: VP 1 - Heol Tir Gwaidd, Penrhys  
 Figure Ref:  
 Focal Length: 50mm  
 Horizontal field of view: 39.6 Degrees  
 Date: 11/03/2020  
 Camera model: Canon 6D  
 Camera height: 1.5m



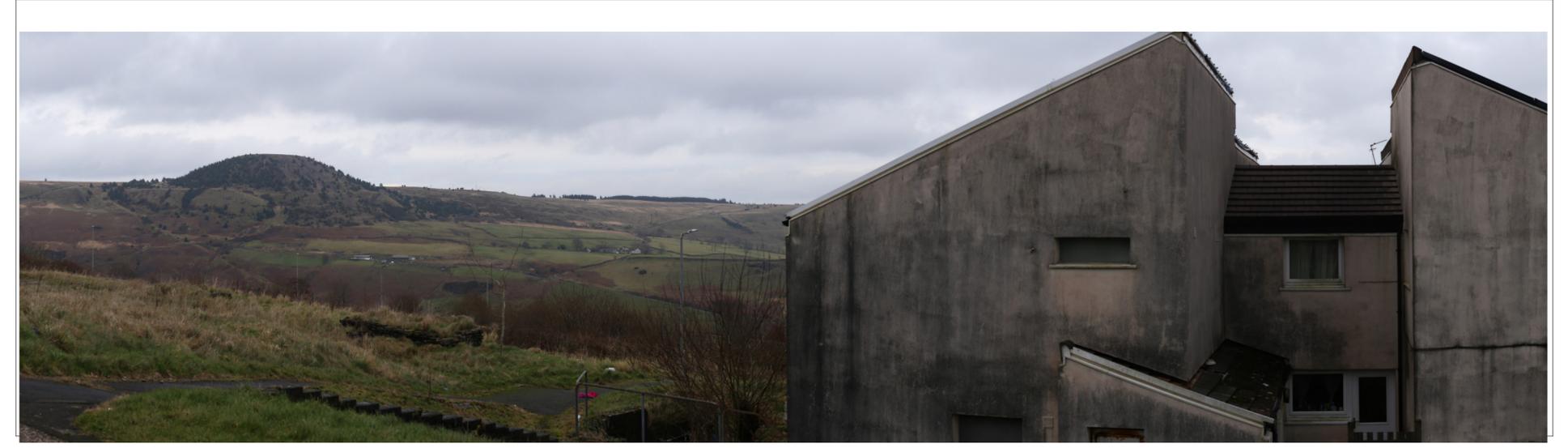
Viewpoint number and location: VP 1 - Heol Tir Gwaidd, Penrhys  
 Figure Ref:  
 Focal Length: 75mm  
 Horizontal field of view: 27 Degrees  
 Date: 11/03/2020  
 Camera model: Canon 6D  
 Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Existing 180 Degree Stitched Panoramic Image

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



...continued



Viewpoint number and location: VP 1 - Heol Tir Gwaidd, Penrhys  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location: VP 1 - Heol Tir Gwaidd, Penrhys  
Figure Ref: VP1  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Detailed Viewpoint Plan - Figure reference: VP 2 - PRoW TYL 2/1, Park Street  
Location description:

Grid Reference: 300695,195873

Altitude: 270.3m AOD  
Viewing Direction Angle: 180 Deg



**Viewpoint number and location:** VP 2 - PRoW TYL 2/1, Park Street  
**Figure Ref:**

**Focal Length:** 50mm  
**Horizontal field of view:** 39.6 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m



**Viewpoint number and location:** VP 2 - PRoW TYL 2/1, Park Street  
**Figure Ref:** VP2

**Focal Length:** 75mm  
**Horizontal field of view:** 27 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Existing 180 Degree Stitched Panoramic Image

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



...continued



Viewpoint number and location: VP 2 - PRoW TYL 2/1, Park Street  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location: VP 2 - PRoW TYL 2/1, Park Street  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Detailed Viewpoint Plan - Figure reference: VP 3 - Union Place at the junction with Arfryn Terrace  
Location description:

Grid Reference: 300911.7, 195783

Altitude: 239.6m AOD  
Viewing Direction Angle: 180 Deg



**Viewpoint number and location:** VP 3 - Union Place at the junction with Arfryn Terrace  
**Figure Ref:**

**Focal Length:** 50mm  
**Horizontal field of view:** 39.6 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m



**Viewpoint number and location:** VP 3 - Union Place at the junction with Arfryn Terrace  
**Figure Ref:** VP3

**Focal Length:** 75mm  
**Horizontal field of view:** 27 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Existing 180 Degree Stitched Panoramic Image

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



...continued



Viewpoint number and location: VP 3 - Union Place at the junction with Arfryn Terrace  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location: VP 3 - Union Place at the junction with Arfryn Terrace  
Figure Ref: VP3  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Detailed Viewpoint Plan - Figure reference: VP 4 - Heol Llechau, Wattstown  
Location description:

Grid Reference: 301963.7,194048.3

Altitude: 182.7m AOD  
Viewing Direction Angle: 180 Deg

VISUAL IMPACT ASSESSMENT PHOTOGRAPHY

EXISTING CENTRAL IMAGE.

VISUAL IMPACT ASSESSMENT PHOTOGRAPHY



Viewpoint number and location: VP 4 - Heol Llechau, Wattstown  
 Figure Ref:

Focal Length: 50mm  
 Horizontal field of view: 39.6 Degrees  
 Date: 11/03/2020

Camera model: Canon 6D  
 Camera height: 1.5m



Viewpoint number and location: VP 4 - Heol Llechau, Wattstown  
 Figure Ref: VP4

Focal Length: 75mm  
 Horizontal field of view: 27 Degrees  
 Date: 11/03/2020

Camera model: Canon 6D  
 Camera height: 1.5m

VISUAL IMPACT ASSESSMENT PHOTOGRAPHY

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Existing 180 Degree Stitched Panoramic Image

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



...continued



Viewpoint number and location: VP 4 - Heol Llechau, Wattstown  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location: VP 4 - Heol Llechau, Wattstown  
Figure Ref: VP4  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Detailed Viewpoint Plan - Figure reference: VP 5 - PRoW TYL 9/1 Blaenllechau Rd  
Location description:

Grid Reference: 301758, 196048

Altitude: 407.9m AOD  
Viewing Direction Angle: 180 Deg

EXISTING CENTRAL IMAGE.



**Viewpoint number and location:** VP 5 - PRoW TYL 9/1 Blaenllechau Rd  
**Figure Ref:**

**Focal Length:** 50mm  
**Horizontal field of view:** 39.6 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m



**Viewpoint number and location:** VP 5 - PRoW TYL 9/1 Blaenllechau Rd  
**Figure Ref:** VP5

**Focal Length:** 75mm  
**Horizontal field of view:** 27 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m

VISUAL IMPACT ASSESSMENT PHOTOGRAPHY

VISUAL IMPACT ASSESSMENT PHOTOGRAPHY

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Existing 180 Degree Stitched Panoramic Image

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



...continued

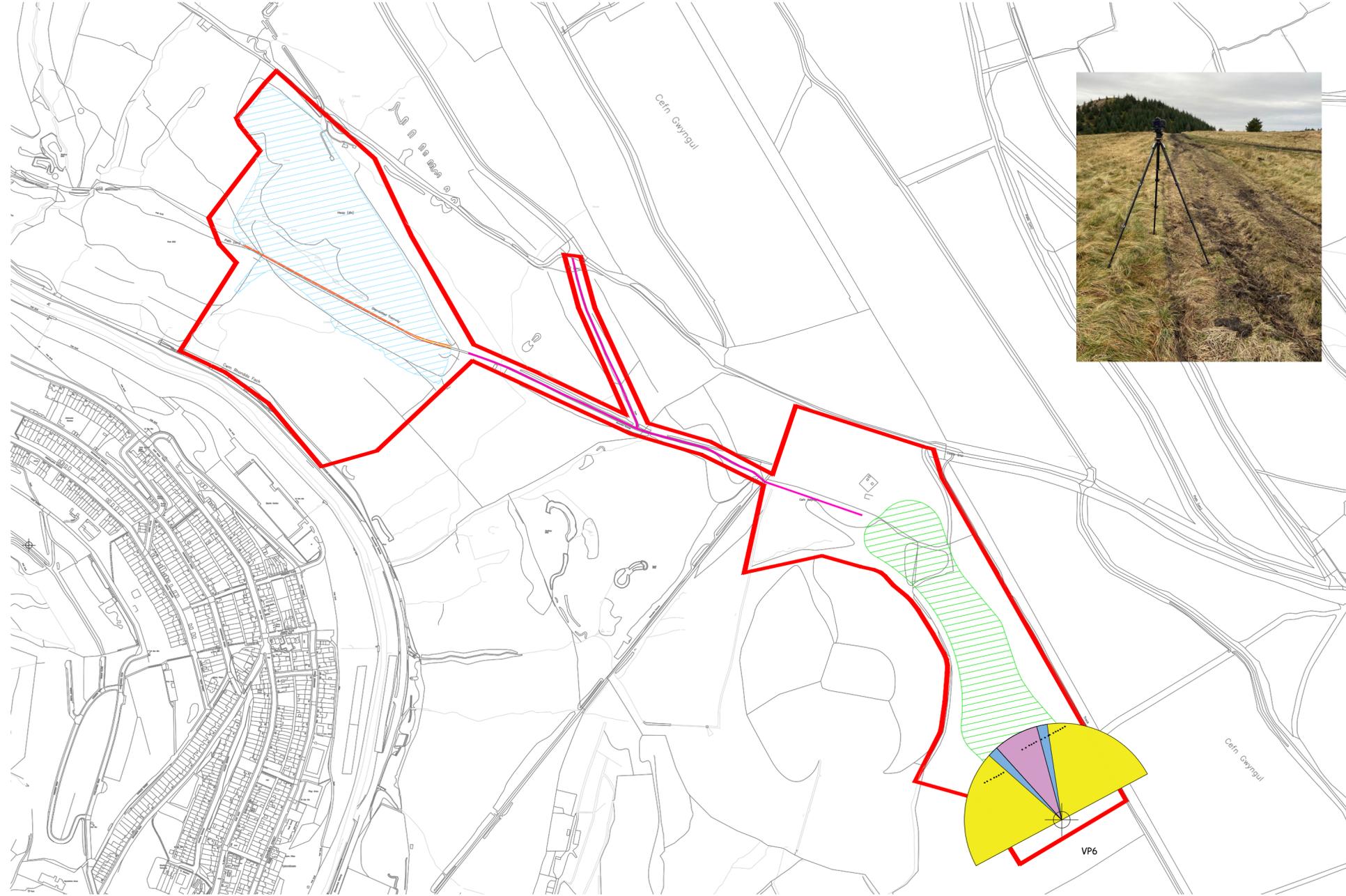


Viewpoint number and location: VP 5 - PRoW TYL 9/1 Blaenllechau Rd  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location: VP 5 - PRoW TYL 9/1 Blaenllechau Rd  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Detailed Viewpoint Plan - Figure reference: VP 6- PRoW TYL 9/1 south east of the Old Smokey  
Location description:

Grid Reference: 302278, 195364

Altitude: 398.5m AOD  
Viewing Direction Angle: 180 Deg

EXISTING CENTRAL IMAGE.



**Viewpoint number and location:** VP 6- PRoW TYL 9/1 south east of the Old Smokey  
**Figure Ref:**

**Focal Length:** 50mm  
**Horizontal field of view:** 39.6 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m



**Viewpoint number and location:** VP 6- PRoW TYL 9/1 south east of the Old Smokey  
**Figure Ref:** VP6

**Focal Length:** 75mm  
**Horizontal field of view:** 27 Degrees  
**Date:** 11/03/2020

**Camera model:** Canon 6D  
**Camera height:** 1.5m

VISUAL IMPACT ASSESSMENT PHOTOGRAPHY

VISUAL IMPACT ASSESSMENT PHOTOGRAPHY

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY

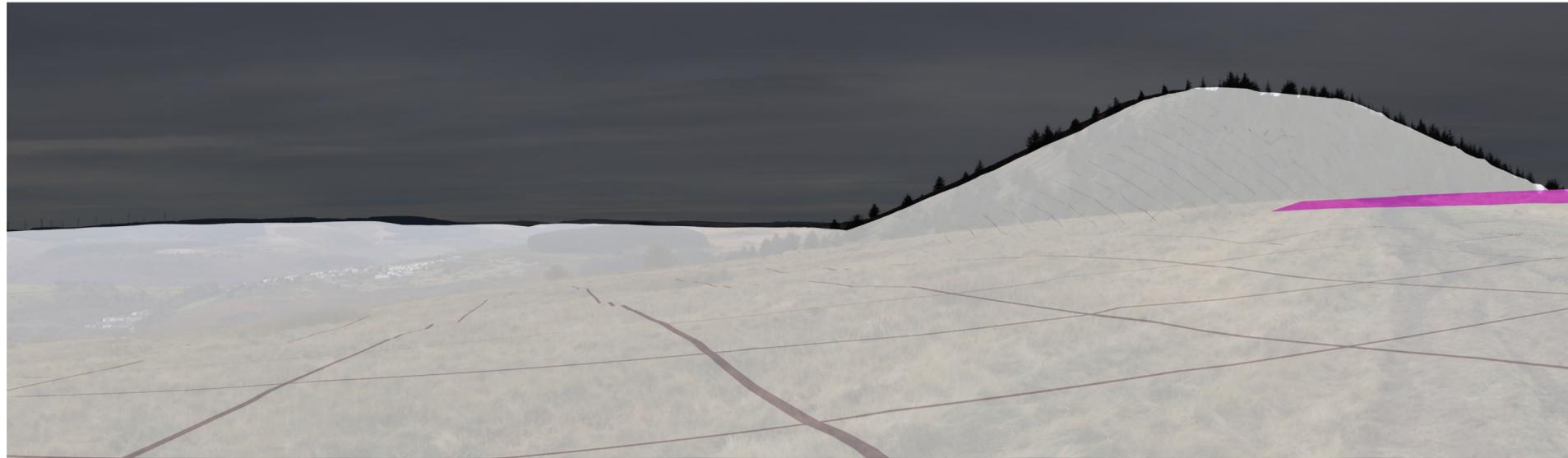


Existing 180 Degree Stitched Panoramic Image

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



...continued



Viewpoint number and location: VP 6- PRoW TYL 9/1 south east of the Old Smokey  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location: VP 6- PRoW TYL 9/1 south east of the Old Smokey  
Figure Ref: VP6  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



**Detailed Viewpoint Plan - Figure reference:** VP 7 - The junction of East Road and East Street leading to the Rhonda Fach Leisure Centre  
**Location description:**

**Grid Reference:** 300920, 195927

**Altitude:** 216.6m AOD  
**Viewing Direction Angle:** 180 Deg



Viewpoint number and location:  
Figure Ref:

VP 7 - The junction of East Road and East Street  
leading to the Rhondda Fach Leisure Centre

Focal Length: 50mm  
Horizontal field of view: 39.6 Degrees  
Date: 11/03/2020

Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location:  
Figure Ref:

VP7 - The junction of East Road and East Street  
leading to the Rhondda Fach Leisure Centre  
VP7

Focal Length: 75mm  
Horizontal field of view: 27 Degrees  
Date: 11/03/2020

Camera model: Canon 6D  
Camera height: 1.5m

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



Existing 180 Degree Stitched Panoramic Image

NOTE: THE IMAGE ON THIS PAGE ARE NOT REPRESENTATIVE OF SCALE AND DISTANCE FROM THE ACTUAL VIEWPOINT AND SHOW THE DEVELOPMENT IN ITS WIDER LANDSCAPE CONTEXT ONLY



...continued



Viewpoint number and location: VP 7 - The junction of East Road and East Street leading to the Rhondda Fach Leisure Centre  
Figure Ref:  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m



Viewpoint number and location: VP 7 - The junction of East Road and East Street leading to the Rhondda Fach Leisure Centre  
Figure Ref: VP7  
Focal Length: 51mm  
Horizontal field of view: 180 Degrees  
Date: 11/03/2020  
Camera model: Canon 6D  
Camera height: 1.5m