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MALONE O'REGAN

**Environmental Impact Assessment  
Report (EIAR) – Volume 3  
Appendices Part 6**

**Proposed Whitestown Sand &  
Gravel Quarry**

On behalf of

**Mr. James Metcalfe & Mr.  
Thomas Metcalfe**

**Whitestown Lower, Co. Wicklow**



**Environmental Impact Assessment Report (EIAR) – Volume 3  
Proposed Whitestown Sand & Gravel Quarry  
Mr. James Metcalfe & Mr. Thomas Metcalfe  
Whitestown Lower, Co. Wicklow**

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**APPENDICES**

Appendix 14-2: Photomontages (Part B) – VP2 – VP6

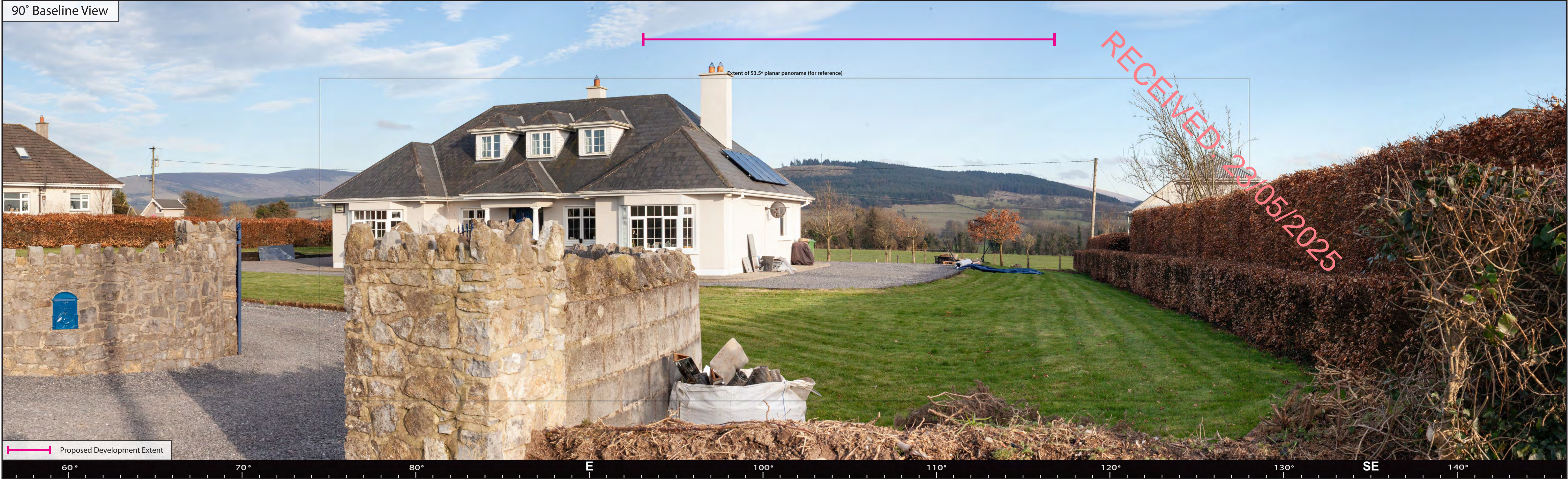
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## APPENDIX 14

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## APPENDIX 14-2





Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP2      Local road west of the site at Whitestown Lower

**Visualisation Type 4** - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting ( IG):	290615	Horizontal Field of View: 90° (cylindrical projection)	Date and Time:	05/03/2025      16:33	Photography Software:	Adobe Lightroom	Modelling Software:	3DS Max 2023
Northing ( IG):	195981	Principal Distance: 522 mm	Camera:	Canon 5D Mark II Digital SLR	Panorama Stitching Software:	PTGui Pro	Rendering Software:	Mental Ray/Corona
Direction of View:	101 °	Paper size: 841 x 297 mm	Lens:	Canon Fixed 50mm Full Frame Sensor	Post-Production Software:	Adobe Photoshop	GNSS Unit:	Trimble Catalyst (GNSS)
Distance to Site:	0.61 km	Correct printed image size: 820 x 251 mm	Panoramic Head:	Manfrotto Pano Head/Leveller	Formatting Software:	Adobe Illustrator/InDesign	Topographical Data:	LiDAR/OSI Terrain Data
Elevation:	182.2 m	Enlargement Factor: 96%	Camera Height:	1.7m (AGL)			GPS Ref:	Georeferenced/Surveyed DWGS







Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP2      Local road west of the site at Whitestown Lower

**Visualisation Type 4** - This 90°cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting ( IG):	290615	Horizontal Field of View: 90° (cylindrical projection)	Date and Time:	05/03/2025      16:33	Photography Software:	Adobe Lightroom	Modelling Software:	3DS Max 2023
Northing ( IG):	195981	Principal Distance: 522 mm	Camera:	Canon 5D Mark II Digital SLR	Panorama Stitching Software:	PTGui Pro	Rendering Software:	Mental Ray/Corona
Direction of View:	101 °	Paper size: 841 x 297 mm	Lens:	Canon Fixed 50mm Full Frame Sensor	Post-Production Software:	Adobe Photoshop	GNSS Unit:	Trimble Catalyst (GNSS)
Distance to Site:	0.61 km	Correct printed image size: 820 x 251 mm	Panoramic Head:	Manfrotto Pano Head/Leveller	Formatting Software:	Adobe Illustrator/InDesign	Topographical Data:	LiDAR/OSI Terrain Data
Elevation:	182.2 m	Enlargement Factor: 96%	Camera Height:	1.7m (AGL)			GPS Ref:	Georeferenced/Surveyed DWGS







Whitestown Sand Pit - Landscape and Visual Impact Assessment

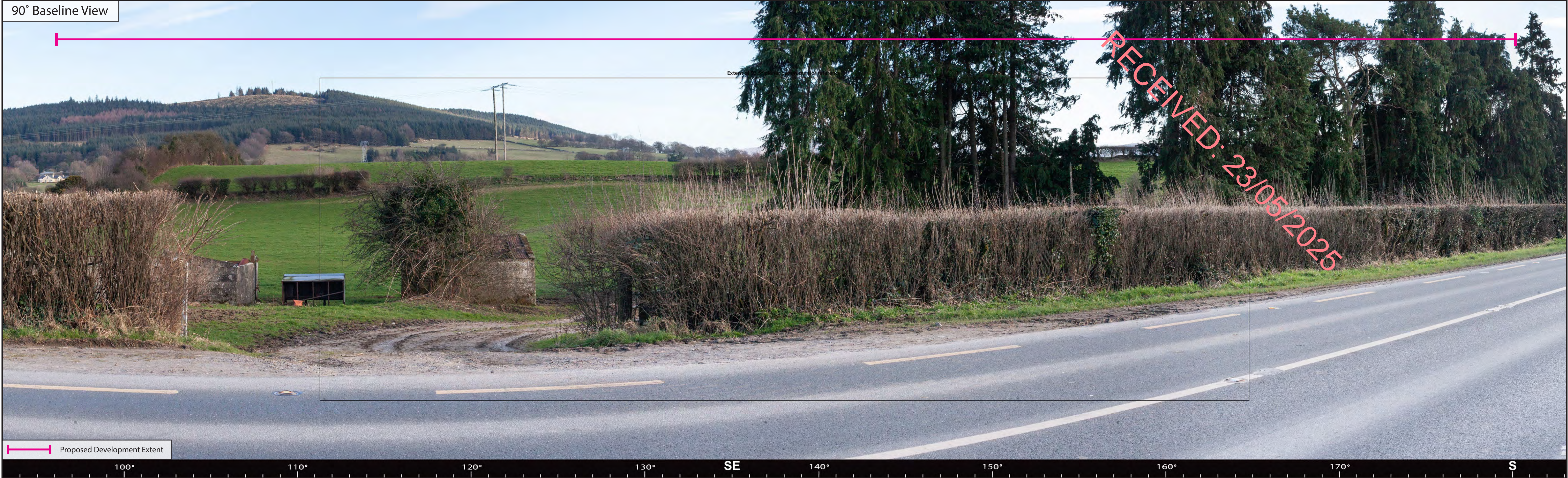
Viewpoint Ref: VP2      Local road west of the site at Whitestown Lower

**Visualisation Type 4** - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting ( IG):	290615	Horizontal Field of View: 90° (cylindrical projection)	Date and Time:	05/03/2025      16:33	Photography Software:	Adobe Lightroom	Modelling Software:	3DS Max 2023
Northing ( IG):	195981	Principal Distance: 522 mm	Camera:	Canon 5D Mark II Digital SLR	Panorama Stitching Software:	PTGui Pro	Rendering Software:	Mental Ray/Corona
Direction of View:	101 °	Paper size: 841 x 297 mm	Lens:	Canon Fixed 50mm Full Frame Sensor	Post-Production Software:	Adobe Photoshop	GNSS Unit:	Trimble Catalyst (GNSS)
Distance to Site:	0.61 km	Correct printed image size: 820 x 251 mm	Panoramic Head:	Manfrotto Pano Head/Leveller	Formatting Software:	Adobe Illustrator/InDesign	Topographical Data:	LiDAR/OSI Terrain Data
Elevation:	182.2 m	Enlargement Factor: 96%	Camera Height:	1.7m (AGL)			GPS Ref:	Georeferenced/Surveyed DWGS







Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP3 N81 west of the site at Whitestown Lower (1)

**Visualisation Type 4** - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting ( UTM ): 291168  
Northing ( UTM ): 195962  
Direction of View: 138 °  
Distance to Site: 0.15 km  
Elevation: 159.2 m

Horizontal Field of View: 90° (cylindrical projection)  
Principal Distance: 522 mm  
Paper size: 841 x 297 mm  
Correct printed image size: 820 x 251 mm  
Enlargement Factor: 96%

Date and Time: 05/03/2025 16:00  
Camera: Canon 5D Mark II Digital SLR  
Lens: Canon Fixed 50mm Full Frame Sensor  
Panoramic Head: Manfrotto Pano Head/Leveller  
Camera Height: 1.7m (AGL)

Photography Software: Adobe Lightroom  
Panorama Stitching Software: PTGui Pro  
Post-Production Software: Adobe Photoshop  
Formatting Software: Adobe Illustrator/InDesign

Modelling Software: 3DS Max 2023  
Rendering Software: Mental Ray/Corona  
GNSS Unit: Trimble Catalyst (GNSS)  
Topographical Data: LiDAR/OSI Terrain Data  
GPS Ref: Georeferenced/Surveyed DWGS







Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP3      N81 west of the site at Whitestown Lower (1)

**Visualisation Type 4** - This 90°cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (  IG):	291168	Horizontal Field of View: 90° (cylindrical projection)	Date and Time:	05/03/2025      16:00	Photography Software:	Adobe Lightroom	Modelling Software:	3DS Max 2023
Northing (  IG):	195962	Principal Distance:	Camera:	Canon 5D Mark II Digital SLR	Panorama Stitching Software:	PTGui Pro	Rendering Software:	Mental Ray/Corona
Direction of View:	138 °	Paper size:	Lens:	Canon Fixed 50mm Full Frame Sensor	Post-Production Software:	Adobe Photoshop	GNSS Unit:	Trimble Catalyst (GNSS)
Distance to Site:	0.15 km	Correct printed image size:	Panoramic Head:	Manfrotto Pano Head/Leveller	Formatting Software:	Adobe Illustrator/InDesign	Topographical Data:	LiDAR/OSI Terrain Data
Elevation:	159.2 m	Enlargement Factor:	Camera Height:	1.7m (AGL)			GPS Ref:	Georeferenced/Surveyed DWGS















Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP4      N81 west of the site at Whitestown Lower (2)

**Visualisation Type 4** - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (  IG):	291110	Horizontal Field of View: 90° (cylindrical projection)	Date and Time:	05/03/2025      16:06	Photography Software:	Adobe Lightroom	Modelling Software:	3DS Max 2023
Northing (  IG):	195800	Principal Distance: 522 mm	Camera:	Canon 5D Mark II Digital SLR	Panorama Stitching Software:	PTGui Pro	Rendering Software:	Mental Ray/Corona
Direction of View:	105 °	Paper size: 841 x 297 mm	Lens:	Canon Fixed 50mm Full Frame Sensor	Post-Production Software:	Adobe Photoshop	GNSS Unit:	Trimble Catalyst (GNSS)
Distance to Site:	0.09 km	Correct printed image size: 820 x 251 mm	Panoramic Head:	Manfrotto Pano Head/Leveller	Formatting Software:	Adobe Illustrator/InDesign	Topographical Data:	LiDAR/OSI Terrain Data
Elevation:	159 m	Enlargement Factor: 96%	Camera Height:	1.7m (AGL)			GPS Ref:	Georeferenced/Surveyed DWGS







Whitestown Sand Pit - Landscape and Visual Impact Assessment

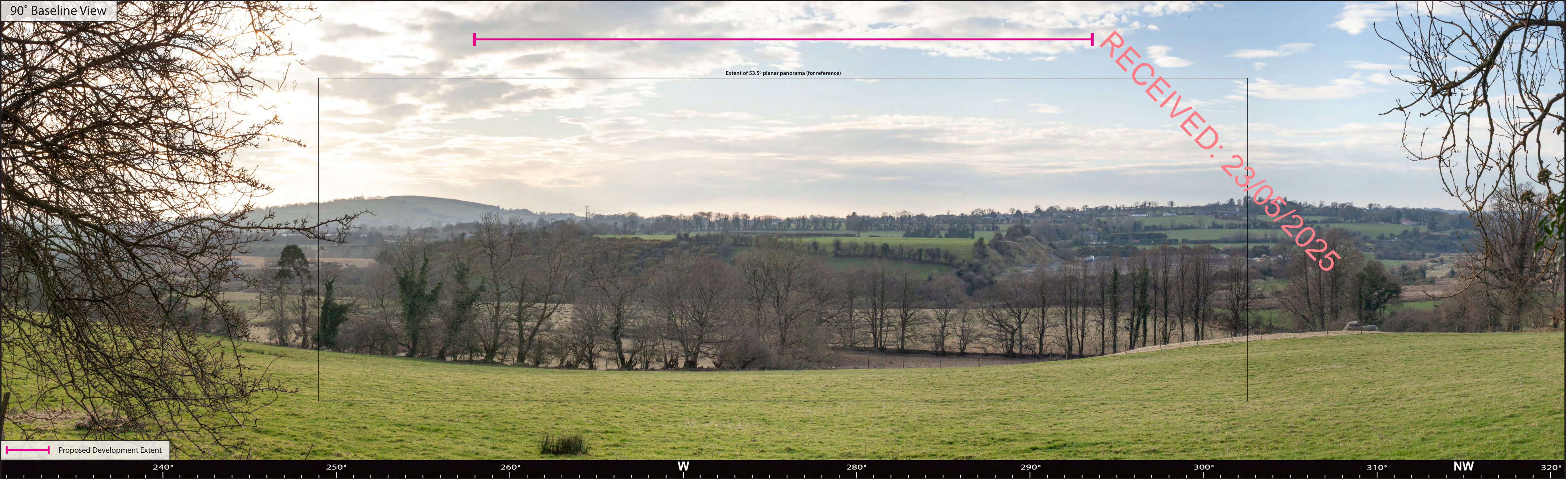
Viewpoint Ref: VP4      N81 west of the site at Whitestown Lower (2)

**Visualisation Type 4** - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (  IG):	291110	Horizontal Field of View: 90° (cylindrical projection)	Date and Time:	05/03/2025      16:06	Photography Software:	Adobe Lightroom	Modelling Software:	3DS Max 2023
Northing (  IG):	195800	Principal Distance: 522 mm	Camera:	Canon 5D Mark II Digital SLR	Panorama Stitching Software:	PTGui Pro	Rendering Software:	Mental Ray/Corona
Direction of View:	105 °	Paper size: 841 x 297 mm	Lens:	Canon Fixed 50mm Full Frame Sensor	Post-Production Software:	Adobe Photoshop	GNSS Unit:	Trimble Catalyst (GNSS)
Distance to Site:	0.09 km	Correct printed image size: 820 x 251 mm	Panoramic Head:	Manfrotto Pano Head/Leveller	Formatting Software:	Adobe Illustrator/InDesign	Topographical Data:	LiDAR/OSI Terrain Data
Elevation:	159 m	Enlargement Factor: 96%	Camera Height:	1.7m (AGL)			GPS Ref:	Georeferenced/Surveyed DWGS











Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP5      Local road east of Site at Newtown

**Visualisation Type 4** - This 90°cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (   IG): 291959  
Northing (   IG): 195693  
Direction of View: 276 °  
Distance to Site: 0.4 km  
Elevation: 177.4 m

Horizontal Field of View: 90° (cylindrical projection)  
Principal Distance: 522 mm  
Paper size: 841 x 297 mm  
Correct printed image size: 820 x 251 mm  
Enlargement Factor: 96%

Date and Time: 05/03/2025      17:10  
Camera: Canon 5D Mark II Digital SLR  
Lens: Canon Fixed 50mm Full Frame Sensor  
Panoramic Head: Manfrotto Pano Head/Leveller  
Camera Height: 1.7m (AGL)

Photography Software: Adobe Lightroom  
Panorama Stitching Software: PTGui Pro  
Post-Production Software: Adobe Photoshop  
Formatting Software: Adobe Illustrator/InDesign

Modelling Software: 3DS Max 2023  
Rendering Software: Mental Ray/Corona  
GNSS Unit: Trimble Catalyst (GNSS)  
Topographical Data: LiDAR/OSI Terrain Data  
GPS Ref: Georeferenced/Surveyed DWGS







Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP5      Local road east of Site at Newtown

**Visualisation Type 4** - This 90°cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting (  IG): Northing (  IG): Direction of View: Distance to Site: Elevation:	291959 195693 276 ° 0.4 km 177.4 m	Horizontal Field of View: 90° (cylindrical projection) Principal Distance: Paper size: Correct printed image size: Enlargement Factor:	522 mm 841 x 297 mm 820 x 251 mm 96%	Date and Time: Camera: Lens: Panoramic Head: Camera Height:	05/03/2025      17:10 Canon 5D Mark II Digital SLR Canon Fixed 50mm Full Frame Sensor Manfrotto Pano Head/Leveller 1.7m (AGL)	Photography Software: Panorama Stitching Software: Post-Production Software: Formatting Software:	Adobe Lightroom PTGui Pro Adobe Photoshop Adobe Illustrator/InDesign	Modelling Software: Rendering Software: GNSS Unit: Topographical Data: GPS Ref:	3DS Max 2023 Mental Ray/Corona Trimble Catalyst (GNSS) LiDAR/OSI Terrain Data Georeferenced/Surveyed DWGS







Whitestown Sand Pit - Landscape and Visual Impact Assessment

Viewpoint Ref: VP6      Castleruddery Stone Circle at Castleruddery Lower

**Visualisation Type 4** - This 90° cylindrical projection panorama has been captured, prepared and presented in accordance with the guidance set out in the Landscape Institute Technical Guidance Note 06/19 for Type 4 Visualisations and the Scottish Natural Heritage 2017 guidance 'Visual Representation of Wind Farms'. This image has been presented in a 90° cylindrical format to aid visual comprehension of linear infrastructure occupying a wide FoV, which avoids splitting the view across numerous multiple images.

Easting ( UTM ):	291602	Horizontal Field of View:	90° (cylindrical projection)	Date and Time:	05/03/2025      16:53	Photography Software:	Adobe Lightroom	Modelling Software:	3DS Max 2023
Northing ( UTM ):	194212	Principal Distance:	522 mm	Camera:	Canon 5D Mark II Digital SLR	Panorama Stitching Software:	PTGui Pro	Rendering Software:	Mental Ray/Corona
Direction of View:	352 °	Paper size:	841 x 297 mm	Lens:	Canon Fixed 50mm Full Frame Sensor	Post-Production Software:	Adobe Photoshop	GNSS Unit:	Trimble Catalyst (GNSS)
Distance to Site:	1.37 km	Correct printed image size:	820 x 251 mm	Panoramic Head:	Manfrotto Pano Head/Leveller	Formatting Software:	Adobe Illustrator/InDesign	Topographical Data:	LiDAR/OSI Terrain Data
Elevation:	172.9 m	Enlargement Factor:	96%	Camera Height:	1.7m (AGL)			GPS Ref:	Georeferenced/Surveyed DWGS

