Landscape and Visual Assessment
for the proposed
45m high Wind Turbine Development
at

Ringstone Hill Farm, Brierley
Barnsley, South Yorkshire S72

Volume 2: Figures





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- 5km Radius Study Area
- Turbine location
- Site boundary
- Viewpoint location & reference number

0 1km

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 001: Study Area 5km Radius
Figure Ref	EED-12611-100-GR-LVIA-001A
Date	January 2012
File Location	\\nt-ne\weed\projects\e12611\100\graphics\lvia\issued figures

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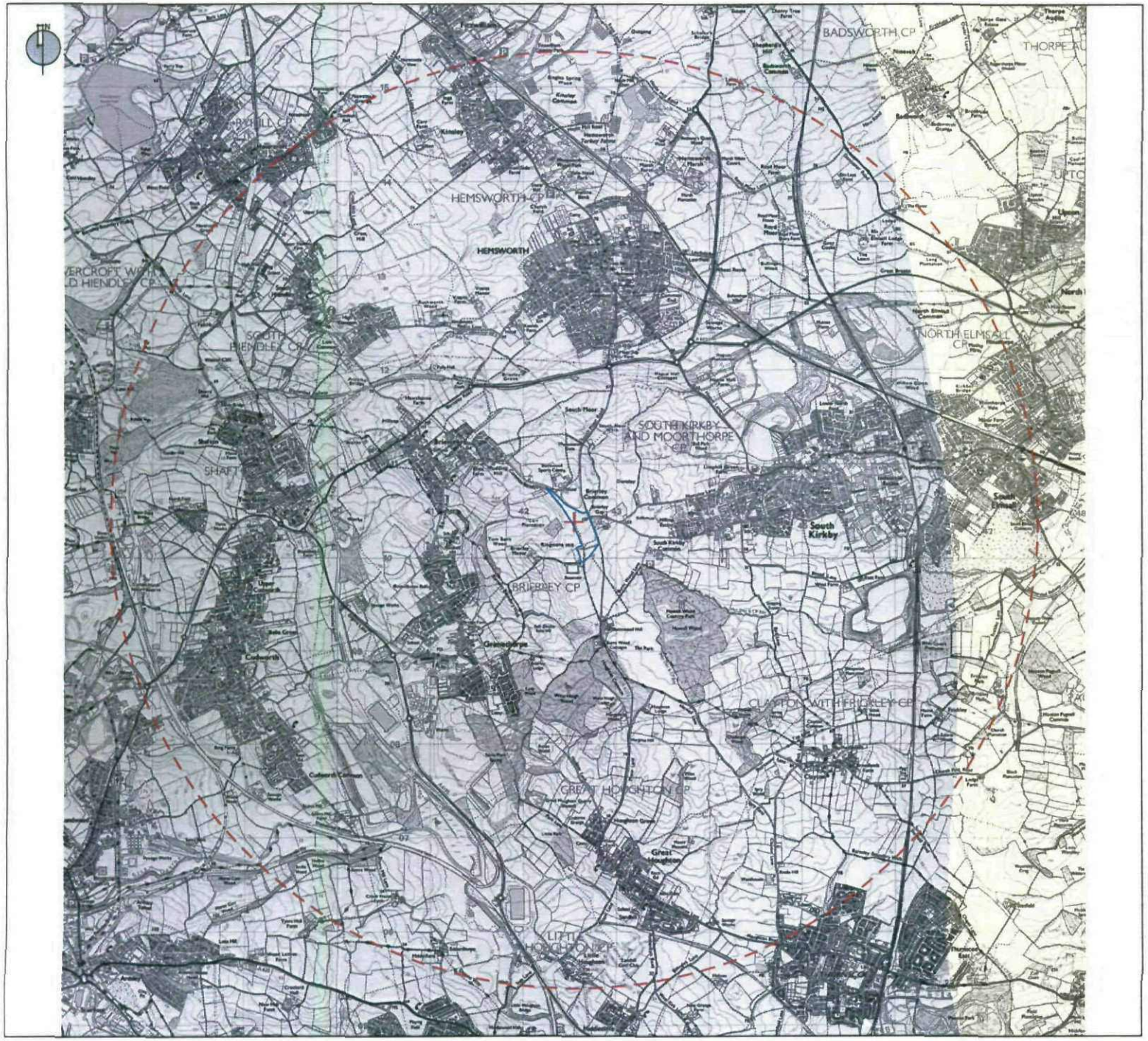
Waterman
Energy, Environment & Design

- Site boundary
- Proposed turbine location
- Proposed access track/ turning point
- Crane pad

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 002: Site Layout
Figure Ref	EED-12611-100-GR-LVIA-002
Date	January 2012
File Location	\\nt-ne\weed\projects\e12611\100\graphics\lvia\issued figures

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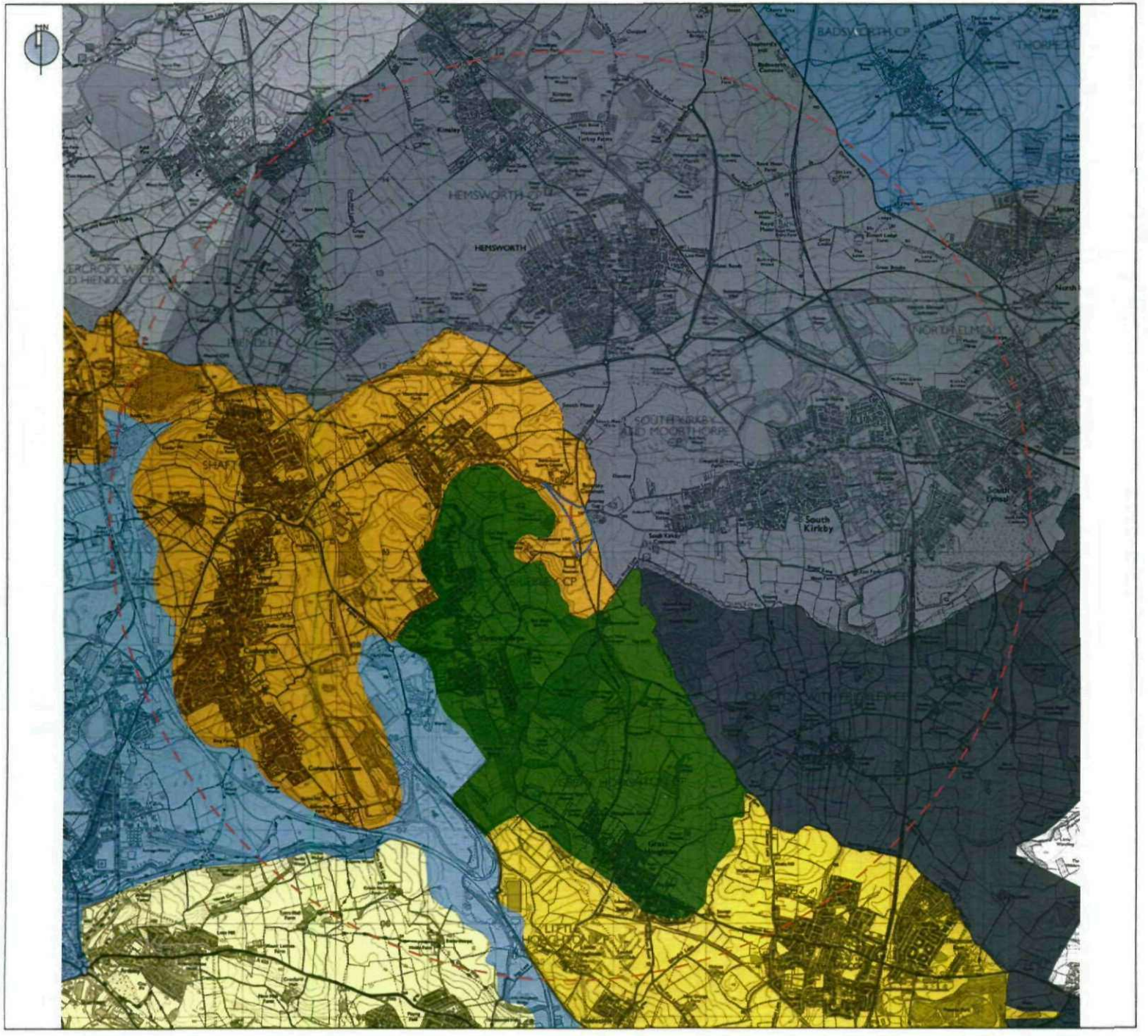
- 5km Radius Study Area
- Turbine location
- Site boundary
- Character Area 30: Southern Magnesian Limestone
- Character Area 38: Nottinghamshire, Derbyshire and Yorkshire Coalfields

0 1km

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 003: National Character Areas
Figure Ref	EED-12611-100-GR-LVIA-003
Date	January 2012
File Location	\\rt-ne\weed\projects\e12611\100\graphics\lvia\issued figures

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- 5km Radius Study Area
- Turbine location
- Site boundary

Barnsley Borough - Landscape Character Assessment:
Lowland River Floor Character Type

- C2 Lower Dearne Lowland River Floor

Settled Arable Slopes Character Type

- D1 North East Barnsley Settled Arable Slopes
- D2 East Dearne Settled Arable Slopes
- D3 West Dearne Settled Arable Slopes

Settled Wooded Farmland Character Type

- E3 Grimethorpe Settled Wooded Farmland

Doncaster MBC
Coalfield Farmlands Landscape Character Type

- A3 – Bamborough to Hooton Pagnell Coalfield Farmlands

Wakefield District - Landscape Character Assessment:

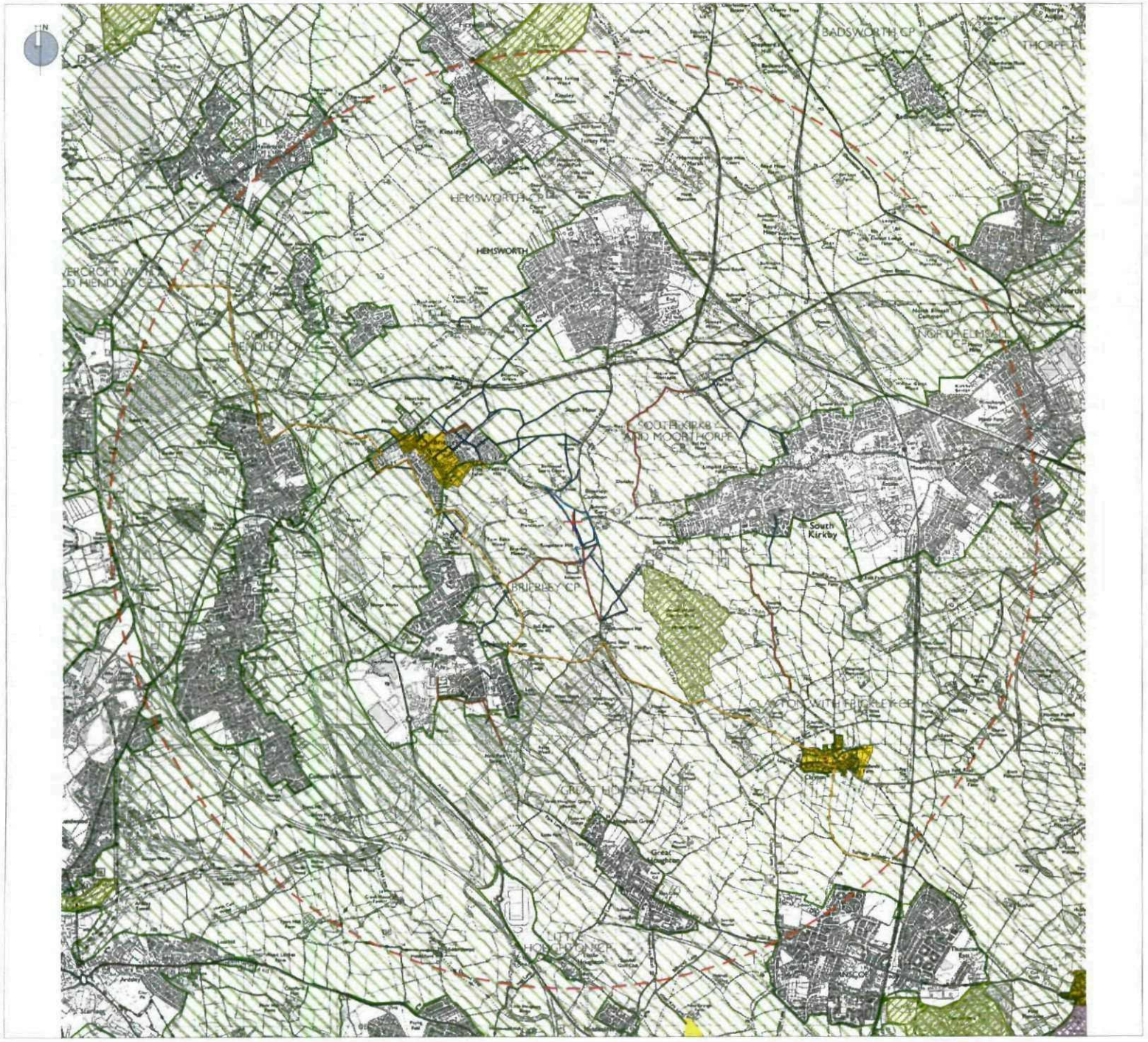
- South East Coalfield
- South West Coalfield
- Went River Basin

0 1km

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 004: Regional Landscape Character Types & Areas
Figure Ref	EED-12611-100-GR-LVIA-004
Date	January 2012
File Location	\\nt-neteed\projects\e12611\100\graphics\lva\issued figures

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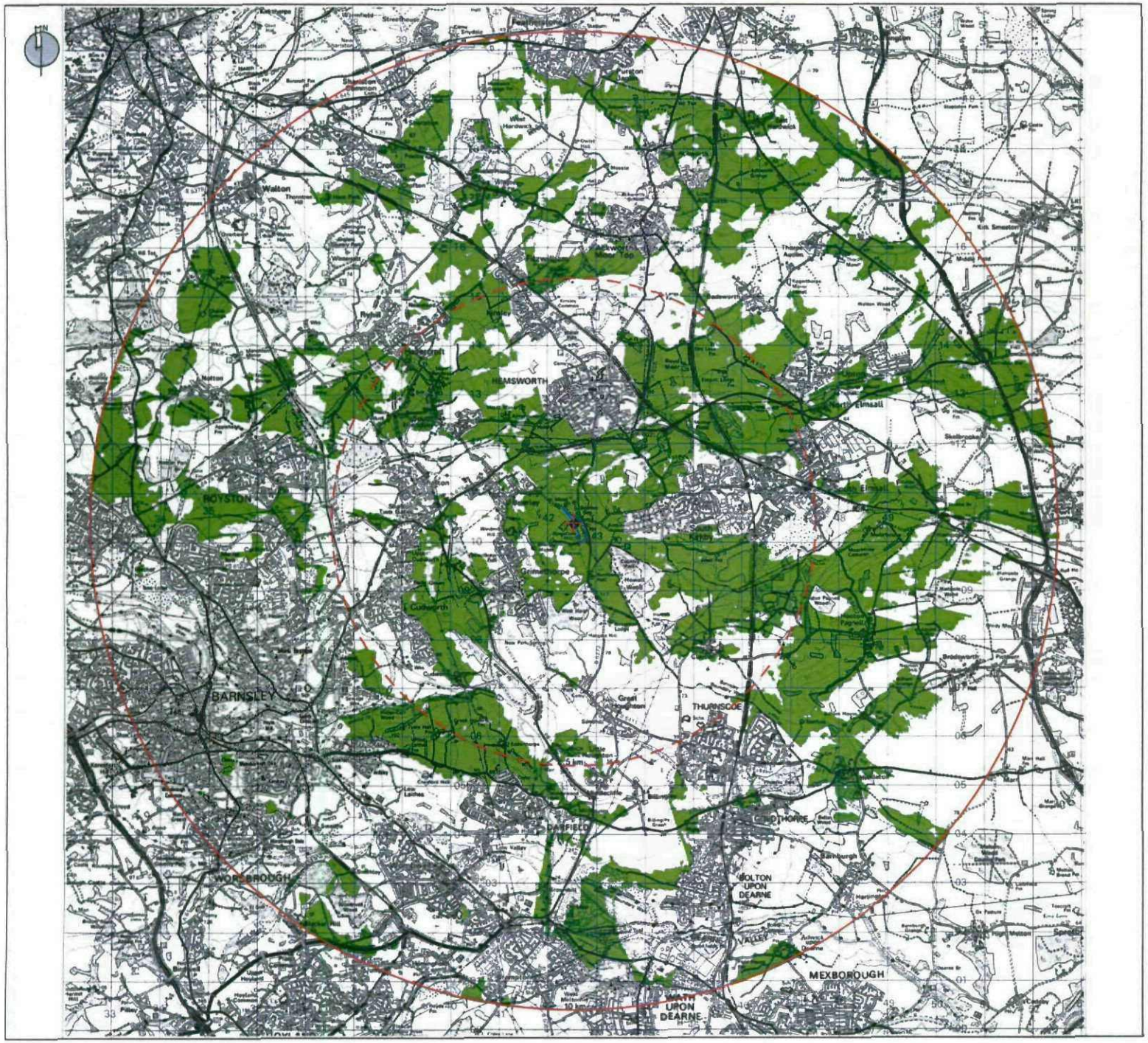
- 5km Radius Study Area
- Turbine location
- Site boundary
- Green Belt
- Conservation Areas
- Registered Parks & Gardens
- Country Parks
- Bridleways
- Footpaths
- Long Distance Trails

0 1km

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 005: Designated Landscapes
Figure Ref	EED-12611-100-GR-LVIA-005
Date	January 2012
File Location	\\nt-nelweed\projects\e12611\100\graphics\lvia\issued figures

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- 10km Radius ZTV Boundary
- 5km Radius Study Area
- Turbine location
- Site boundary
- Area of potential visibility

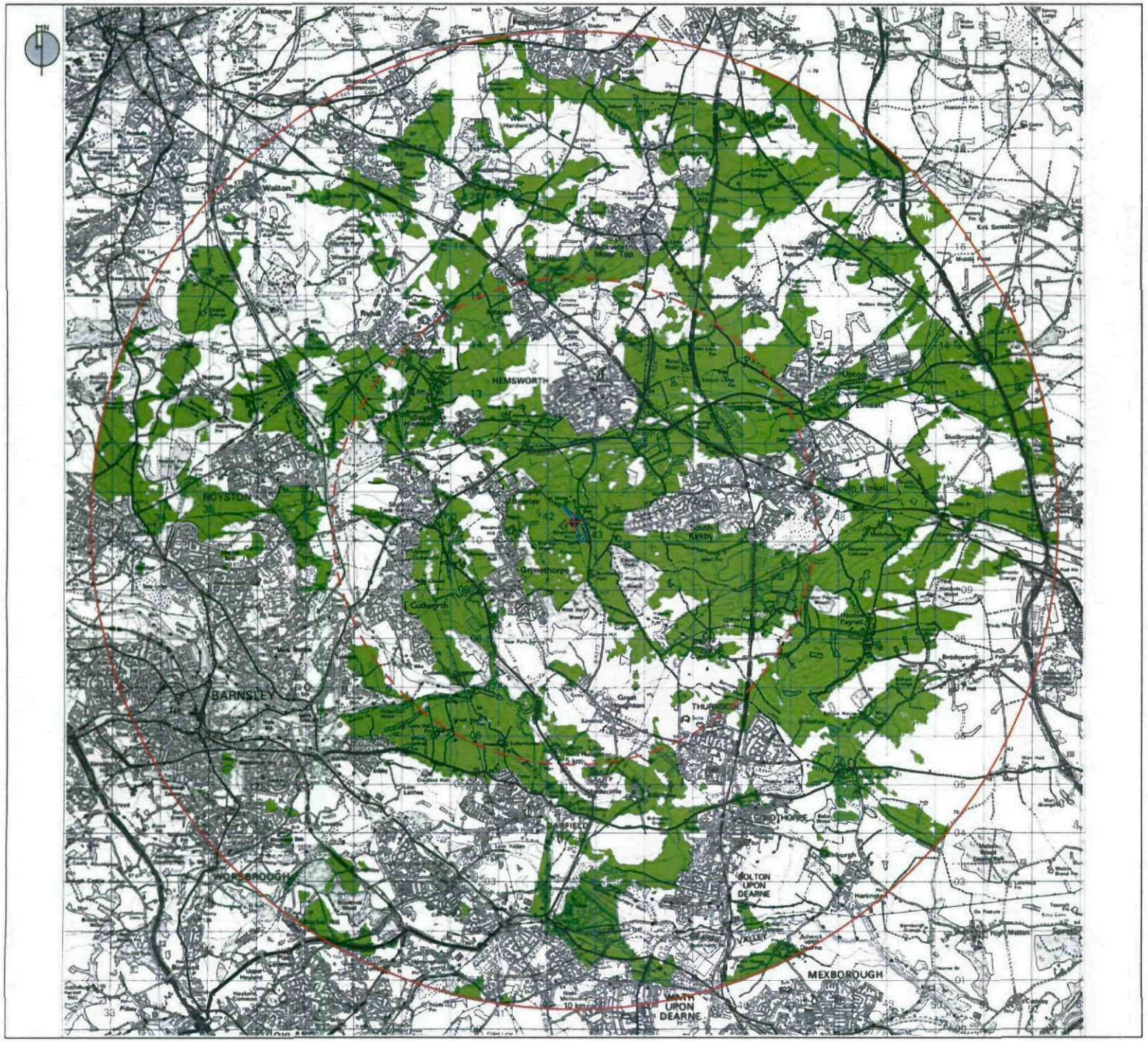
Notes:
1. ZTV based on OS Landform Profile data on a 10m grid.
2. The ZTV is based on a viewer height of 2m.
3. Settlements and woodland have been introduced as Exclusion Zones, and given an arbitary height of 10m.
4. Curvature of the Earth has been accounted for.

0 1km

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 006: Zone of Theoretical Visibility (ZTV) 45m to Hub Height
Figure Ref	EED-12611-100-GR-LVIA-006
Date	January 2012
File Location	\\nt-ne\weed\projects\e12611\100\graphics\lva\issued figures

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- 10km Radius ZTV Boundary
- 5km Radius Study Area
- Turbine location
- Site boundary
- Area of potential visibility

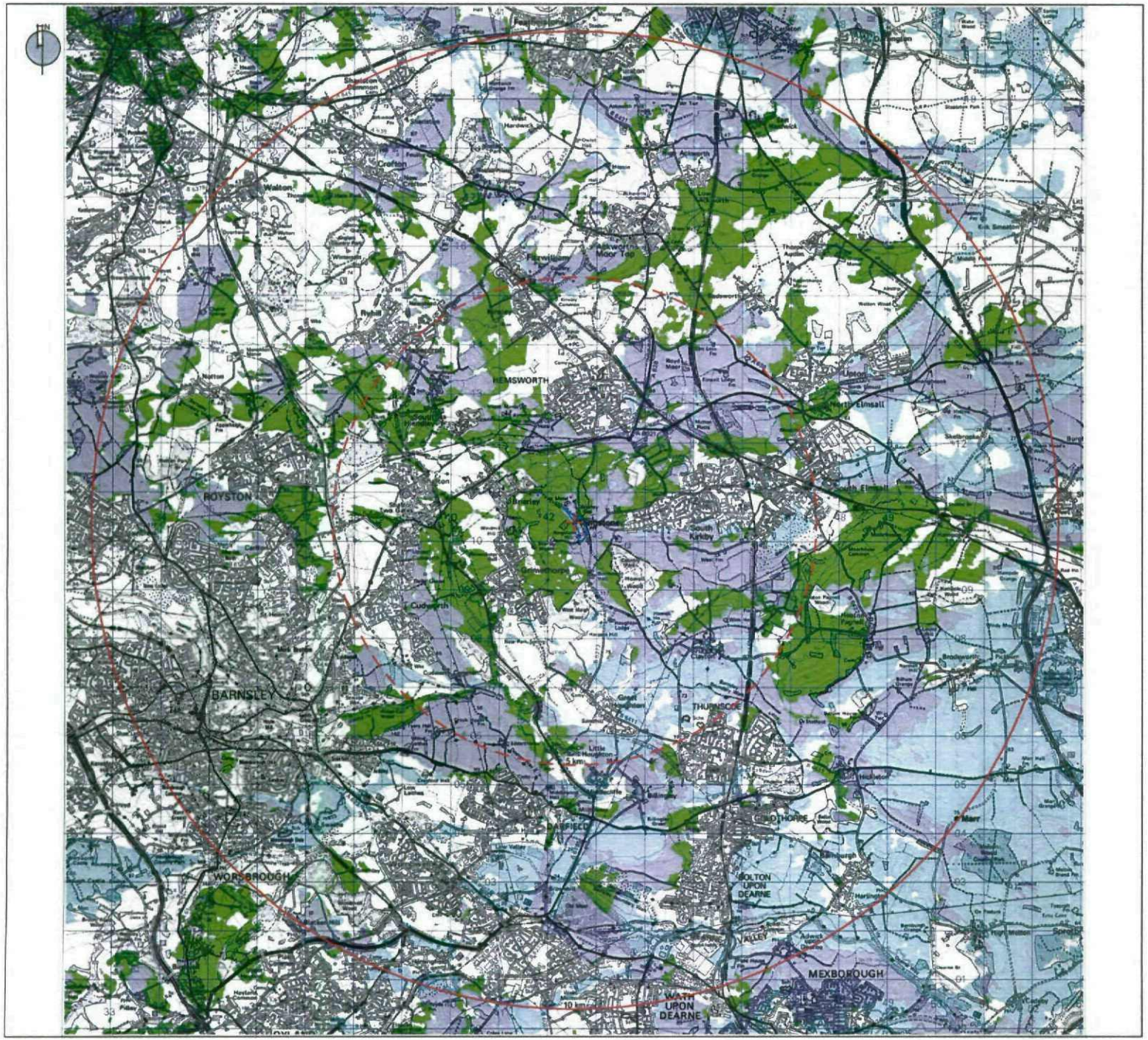
Notes:
1. ZTV based on OS Landform Profile data on a 10m grid.
2. The ZTV is based on a viewer height of 2m.
3. Settlements and woodland have been introduced as Exclusion Zones, and given an arbitary height of 10m.
4. Curvature of the Earth has been accounted for.

0 1km

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 007: Zone of Theoretical Visibility (ZTV) 67m to Blade Tip
Figure Ref	EED-12611-100-GR-LVIA-007
Date	January 2012
File Location	\\nt-neteed\projects\e12611100\graphics\lva\issued figures

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- 10km Radius ZTV Boundary
- 5km Radius Study Area
- Turbine location
- Site boundary
- Area of potential visibility - 67m Blade Tip (proposed turbine)
- Area of potential visibility - Marr Turbines
- Area of potential visibility - 67m Blade Tip (proposed turbine) & Marr Turbines

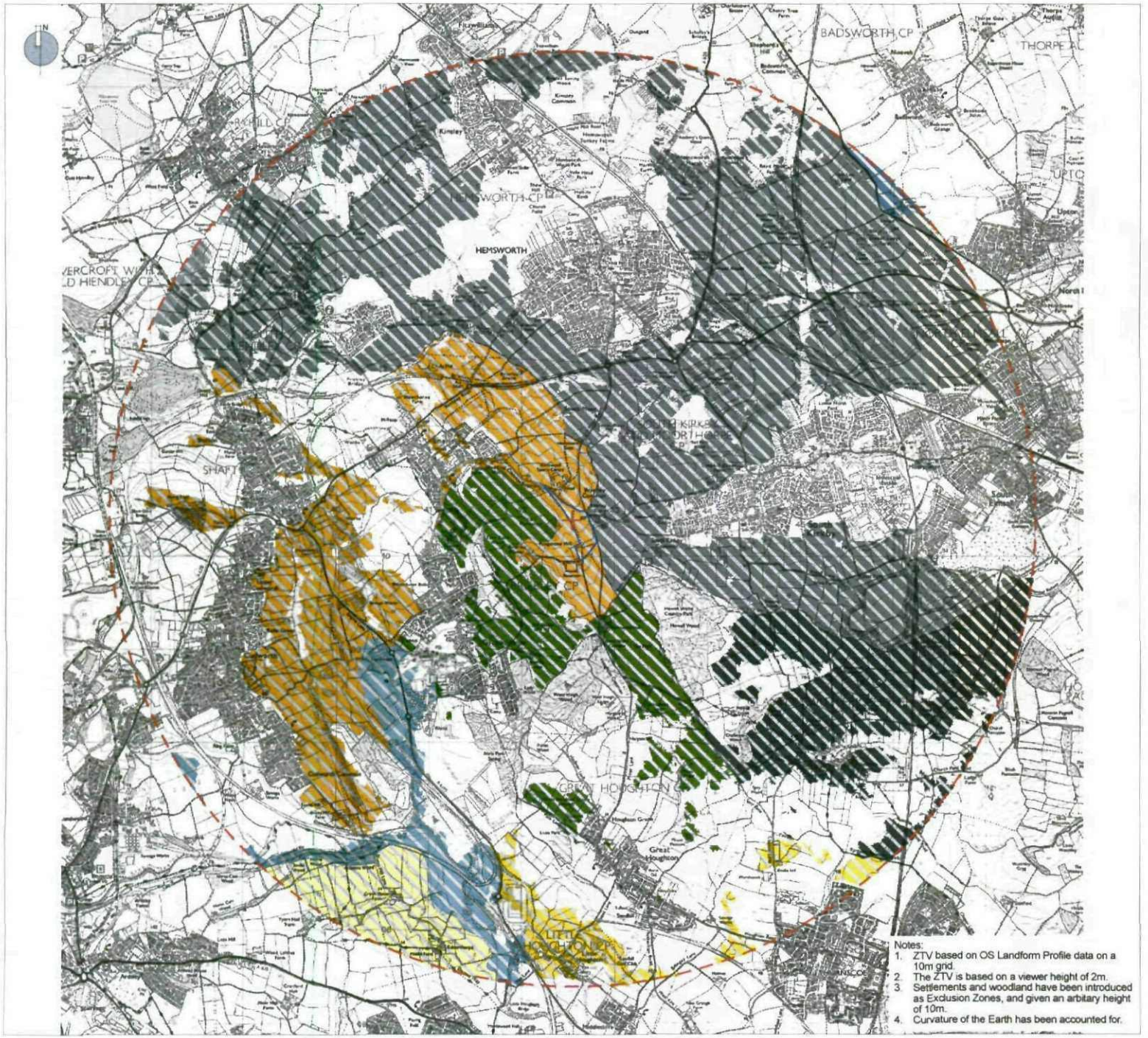
Notes:
1. ZTV based on OS Landform Profile data on a 10m grid.
2. The ZTV is based on a viewer height of 2m.
3. Settlements and woodland have been introduced as Exclusion Zones, and given an arbitary height of 10m.
4. Curvature of the Earth has been accounted for.

0 1km

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 008: Cumulative Zone of Theoretical Visibility (ZTV) - 67m to Blade Tip & Marr Farm Turbines
Figure Ref	EED-12611-100-GR-LVIA-008
Date	January 2012
File Location	\\nt-ne\weed\projects\e12611\100\graphics\lvia\issued figures

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Notes:
1. ZTV based on OS Landform Profile data on a 10m grid.
2. The ZTV is based on a viewer height of 2m.
3. Settlements and woodland have been introduced as Exclusion Zones, and given an arbitary height of 10m.
4. Curvature of the Earth has been accounted for.

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- 5km Radius Study Area
- Turbine location
- Site boundary

National Landscape Character Areas

- Character Area 30: Southern Magnesian Limestone
- Character Area 38: Nottinghamshire, Derbyshire and Yorkshire Coalfields

Regional Landscape Character Areas
Barnsley Borough - Landscape Character Assessment: Lowland River Floor Character Type

- C2 Lower Dearne Lowland River Floor

Settled Arable Slopes Character Type

- D1 North East Barnsley Settled Arable Slopes
- D2 East Dearne Settled Arable Slopes
- D3 West Dearne Settled Arable Slopes

Settled Wooded Farmland Character Type

- E3 Grimethorpe Settled Wooded Farmland

Doncaster MBC:
Coalfield Farmlands Landscape Character Type

- A3 – Barnborough to Hooton Pagnell Coalfield Farmlands

Wakefield District - Landscape Character Assessment:

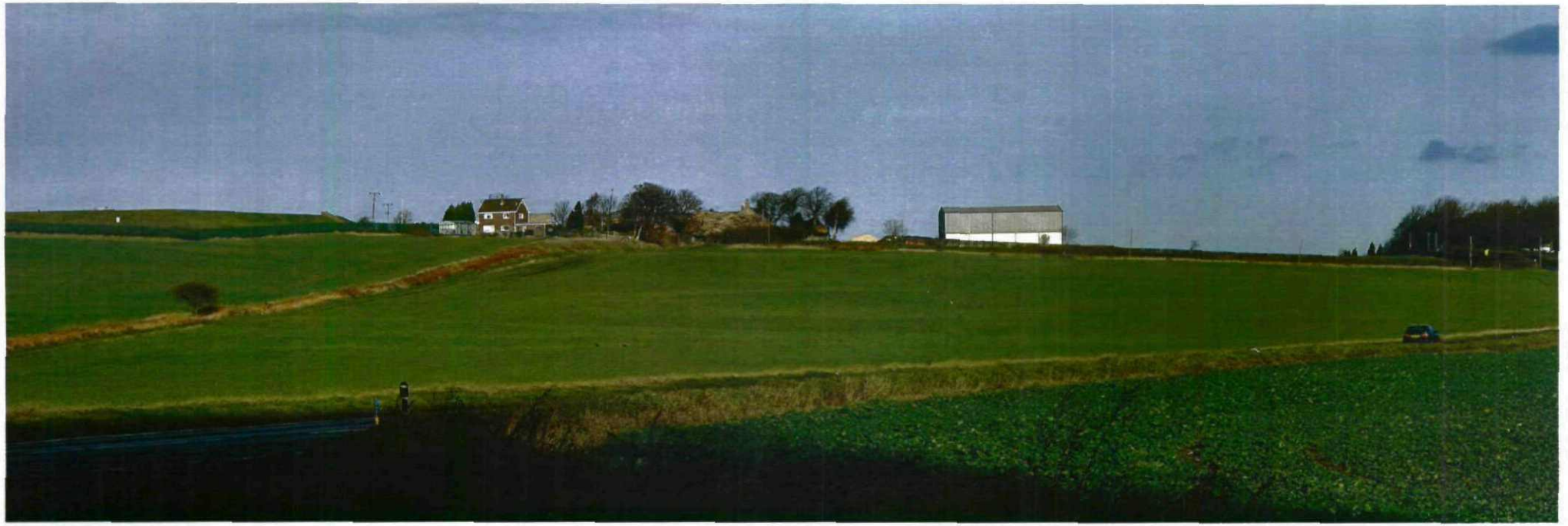
- South East Coalfield
- South West Coalfield
- Went River Basin

0 1km

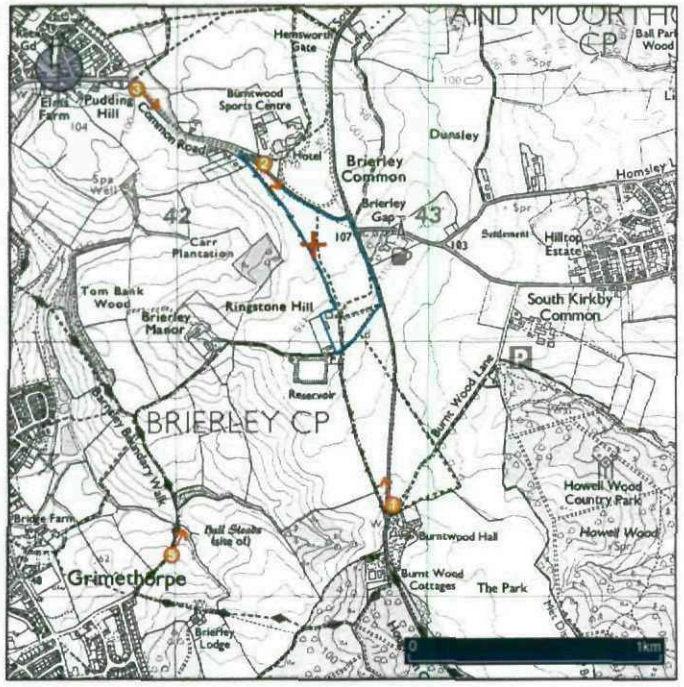
Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 009: Zone of Theoretical Visibility (ZTV) 67m to Blade Tip, showing National and Regional Landscape Character Areas
Figure Ref	EED-12611-100-GR-LVIA-009
Date	January 2012
File Location	\\nt-ne\weed\projects\e12611\100\graphics\lvia\issued figures

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Photoviewpoint 1 - Existing View



Viewpoint Information

Viewpoint Number:	1
OS Grid reference:	442867.623, 409347.903
Ground Height:	103.00mAOD
Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	19/01/2012 10:09

Turbine Layout Information

Turbine Make/ Model:	Enercon E-44/900kW
Height to Blade Tip:	67m
Height to Hub:	45m
Rotor Diameter	44m
Distance to Turbine:	1.08km

Notes

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.

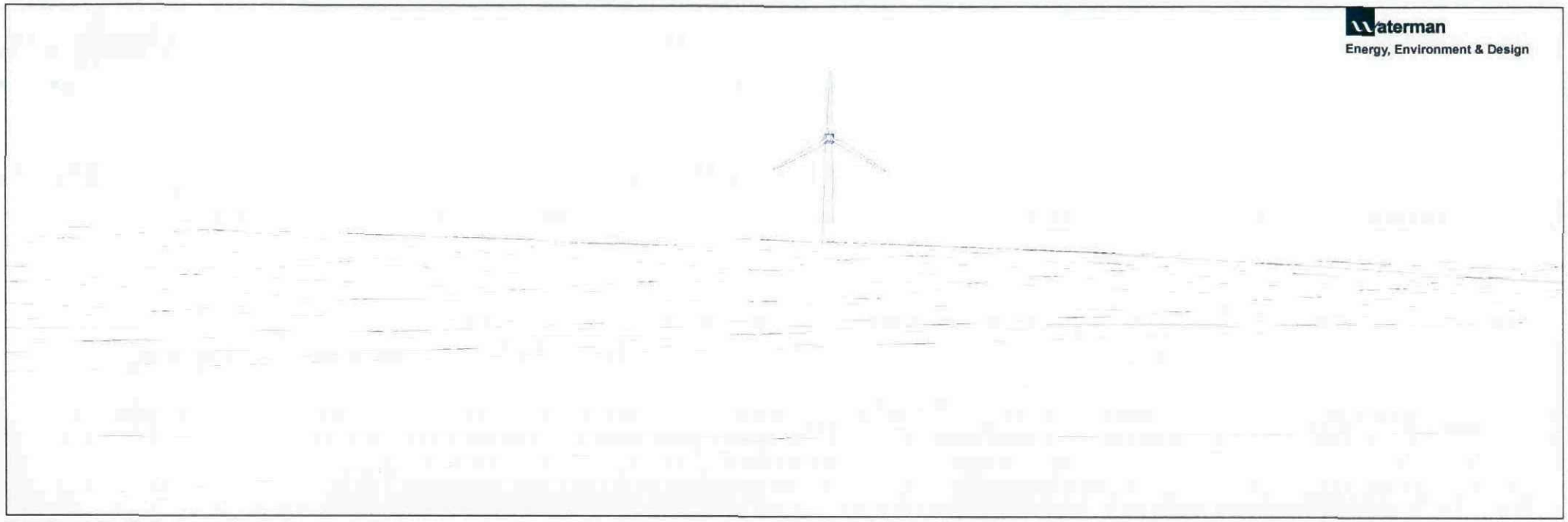
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Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 010: Viewpoint 1 - Burntwood Hall Care Centre
Figure Ref	EED-12611-100-GR-LVIA-010
Date	January 2012
File Location	\\nt-ne\weed\projects\e12611\100\graphics\lvia\issued figures

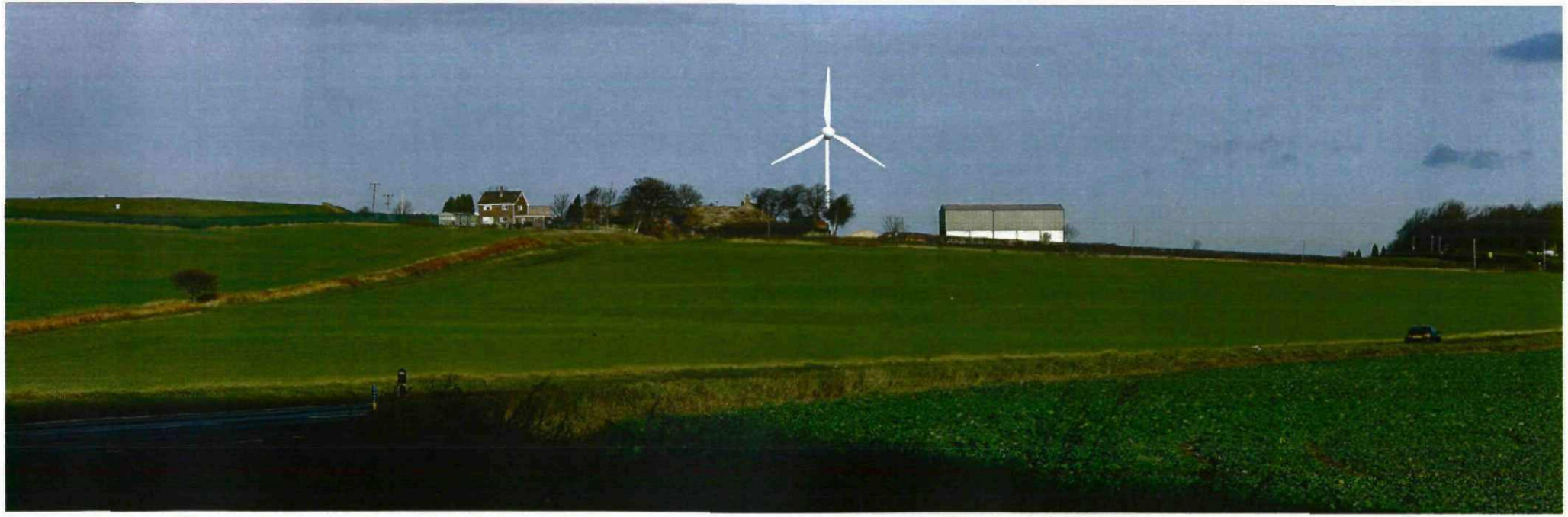
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Photoviewpoint 1 - Wireframe



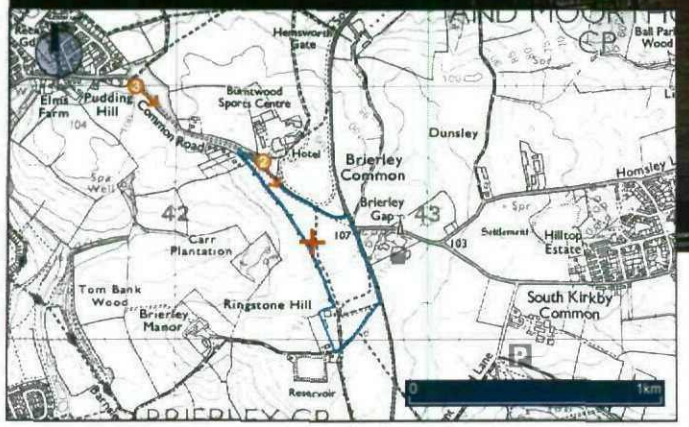
Photoviewpoint 1 - Photomontage

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Photoviewpoint 2 - Existing View



Viewpoint Information

Viewpoint Number:	2
OS Grid reference:	442346.895, 410692.426
Ground Height:	104.14mAOD
Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	19/01/2012 12:23

Turbine Layout Information

Turbine Make/ Model:	Enercon E-44/900kW
Height to Blade Tip:	67m
Height to Hub:	45m
Rotor Diameter	44m
Distance to Turbine:	0.37km

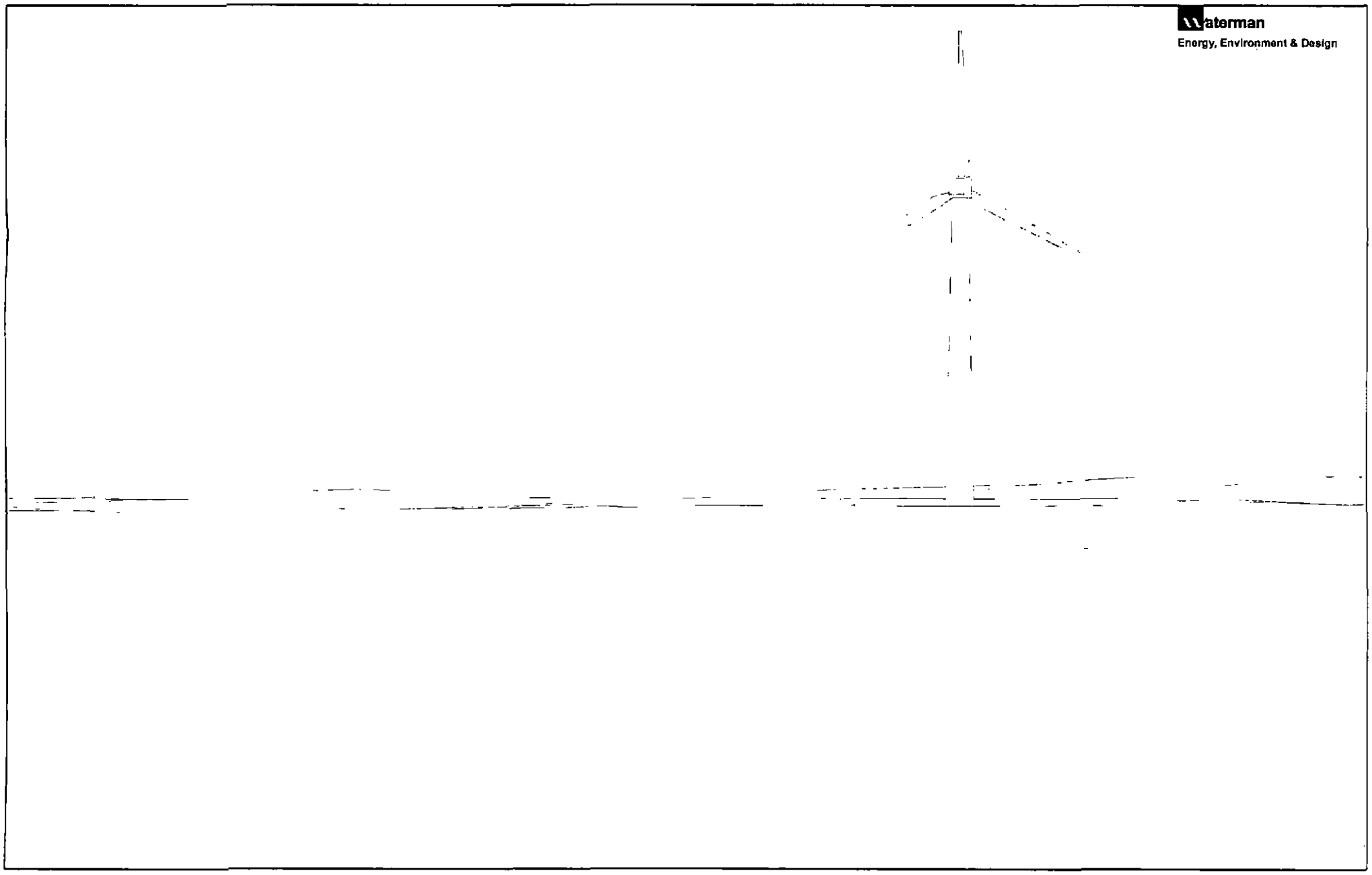
Notes

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.

Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 012: Viewpoint 2 - Burntwood Hotel, Common Road
Figure Ref	EED-12611-100-GR-LVIA-012
Date	January 2012
File Location	\\nt-netweed\projects\e12611\100\graphics\lvia\issued figures

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Photoviewpoint 2 - Wireframe

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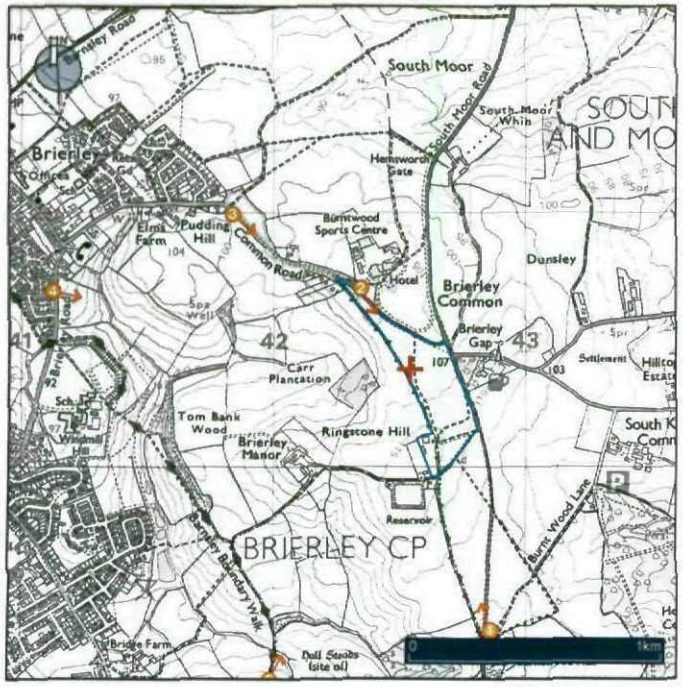


Photoviewpoint 2 - Photomontage

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Photoviewpoint 3 - Existing View



Viewpoint Information

Viewpoint Number:	3
OS Grid reference:	441845.233, 410988.612
Ground Height:	94.66mAOD
Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	19/01/2012 11:59

Turbine Layout Information

Turbine Make/ Model:	Enercon E-44/900kW
Height to Blade Tip:	67m
Height to Hub:	45m
Rotor Diameter	44m
Distance to Turbine:	0.93km

Notes

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.

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Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 015: Viewpoint 3 - Manor Farm, Pudding Hill, Common Road
Figure Ref	EED-12611-100-GR-LVIA-015
Date	January 2012
File Location	\\rt-ne\wed\projects\e12611\100\graphics\lvia\issued figures

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Photoviewpoint 3 - Wireframe

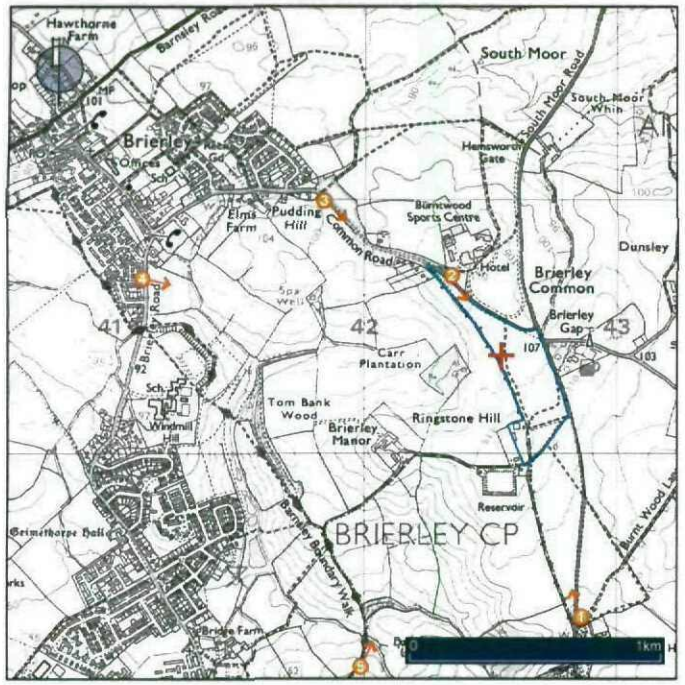


Photoviewpoint 3 - Photomontage

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Photoviewpoint 4 - Existing View



Viewpoint Information

Viewpoint Number:	4
OS Grid reference:	441127.995, 410687.490
Ground Height:	94.18mAOD
Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	19/01/2012 11:34

Turbine Layout Information

Turbine Make/ Model:	Enercon E-44/900kW
Height to Blade Tip:	67m
Height to Hub:	45m
Rotor Diameter	44m
Distance to Turbine:	1.46km

Notes

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.

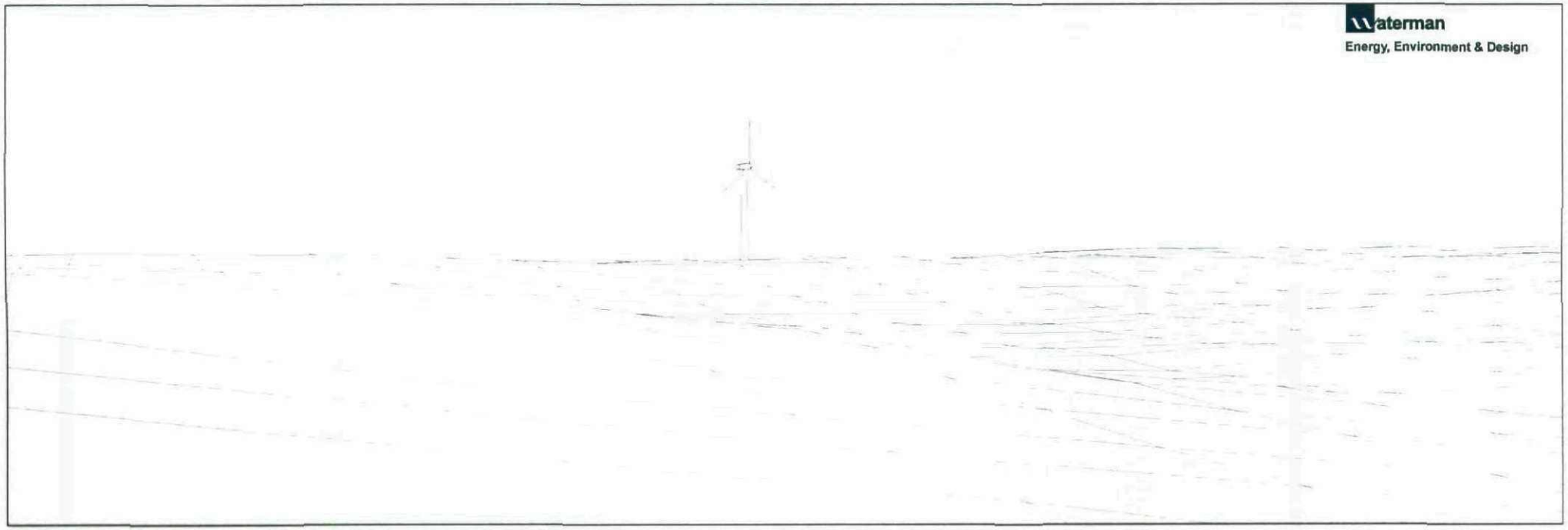
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Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 017: Viewpoint 4 - Hillside Crescent/ Brierley Road
Figure Ref	EED-12611-100-GR-LVIA-017
Date	January 2012
File Location	\\nt-netweed\projects\e12611\100\graphics\lvia\issued figures

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Photoviewpoint 4 - Wireframe

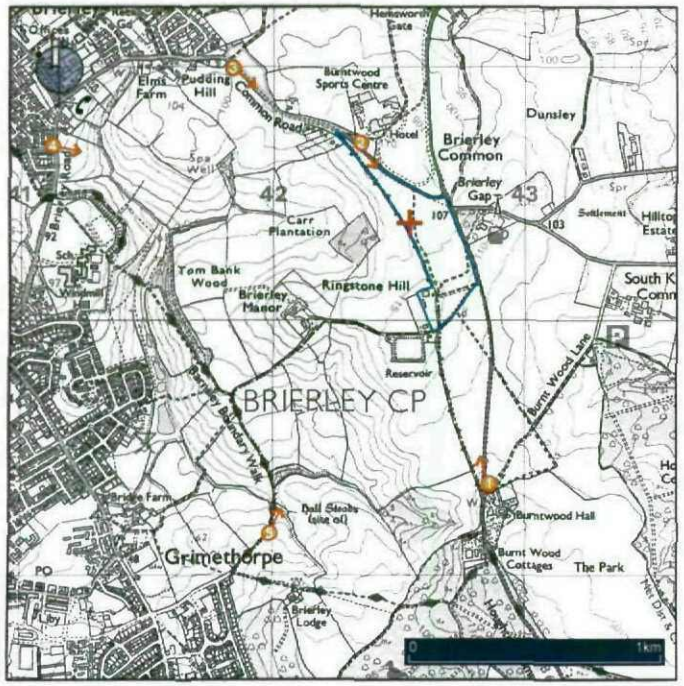


Photoviewpoint 4 - Photomontage

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Photoviewpoint 5 - Existing View



Viewpoint Information

Viewpoint Number:	5
OS Grid reference:	441966.401, 409155.933
Ground Height:	59.54mAOD
Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	19/01/2012 10:56

Turbine Layout Information

Turbine Make/ Model:	Enercon E-44/900kW
Height to Blade Tip:	67m
Height to Hub:	*45m*
Rotor Diameter	44m
Distance to Turbine:	1.35km

Notes

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.

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Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 019: Viewpoint 5 - Burntwood Road, Grimethorpe
Figure Ref	EED-12611-100-GR-LVIA-019
Date	January 2012
File Location	\\nt-yelweed\projects\e12611\100\graphics\via\issued figures

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Photoviewpoint 5 - Wireframe

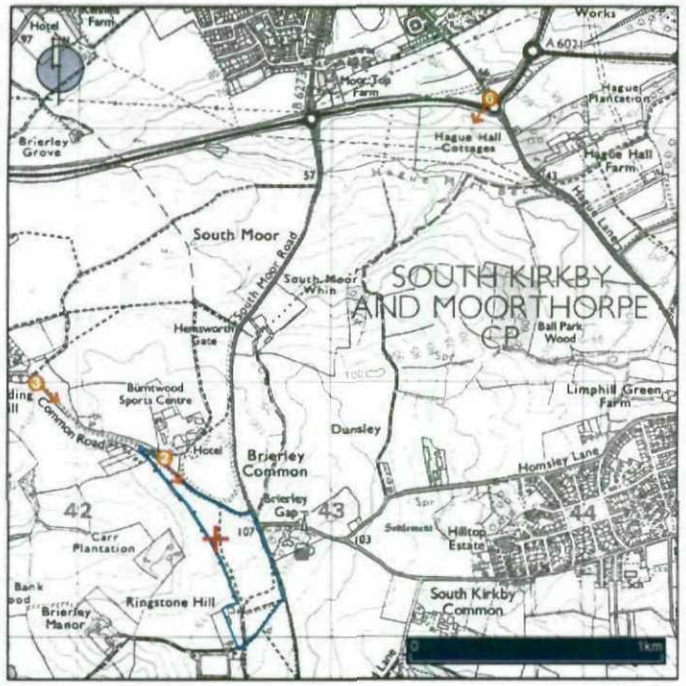


Photoviewpoint 5 - Photomontage

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Photoviewpoint 6 - Existing View



Viewpoint Information

Viewpoint Number:	6
OS Grid reference:	443624.773, 412118.755
Ground Height:	58.82mAOD
Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	19/01/2012 9:33

Turbine Layout Information

Turbine Make/ Model:	Enercon E-44/900kW
Height to Blade Tip:	67m
Height to Hub:	45m
Rotor Diameter	44m
Distance to Turbine:	2.05km

Notes

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.

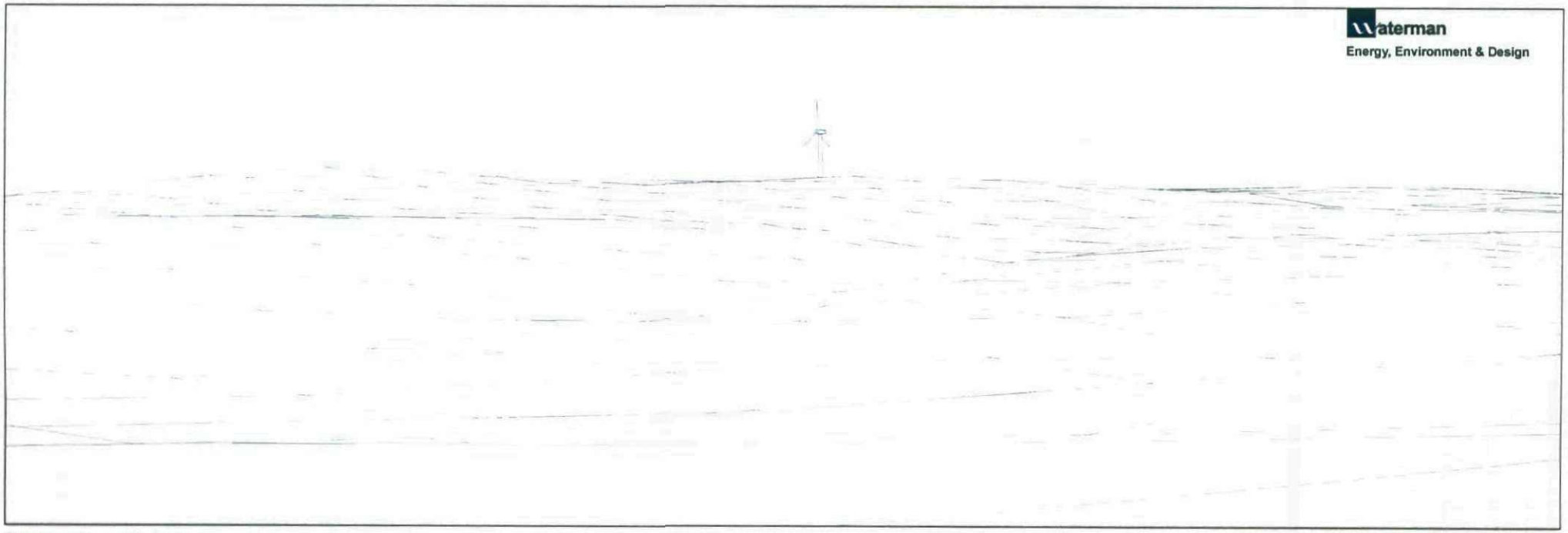
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Project Details	EED12611-100: Ringstone Hill Farm, Barnsley
Figure Title	Figure 021: Viewpoint 6 - A628/ B6422 Hague Lane Roundabout
Figure Ref	EED-12611-100-GR-LVIA-021
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Photoviewpoint 6 - Wireframe



Photoviewpoint 6 - Photomontage

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