

320 130357P

AMENDED PLANS RECEIVED
DATE 22/05/13



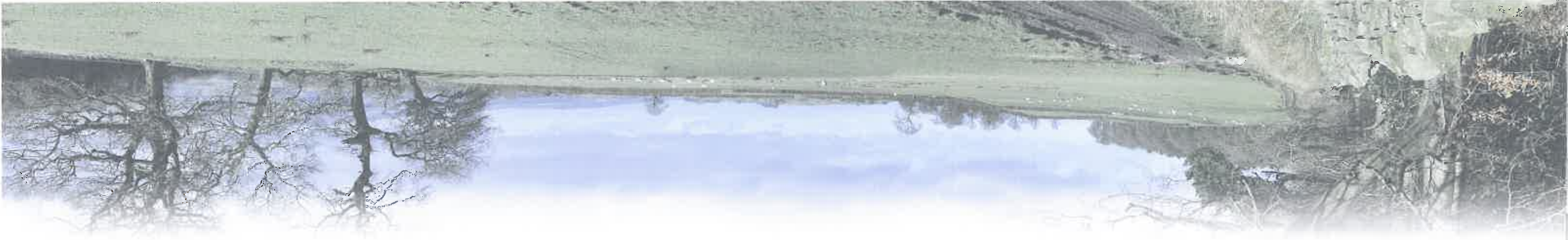
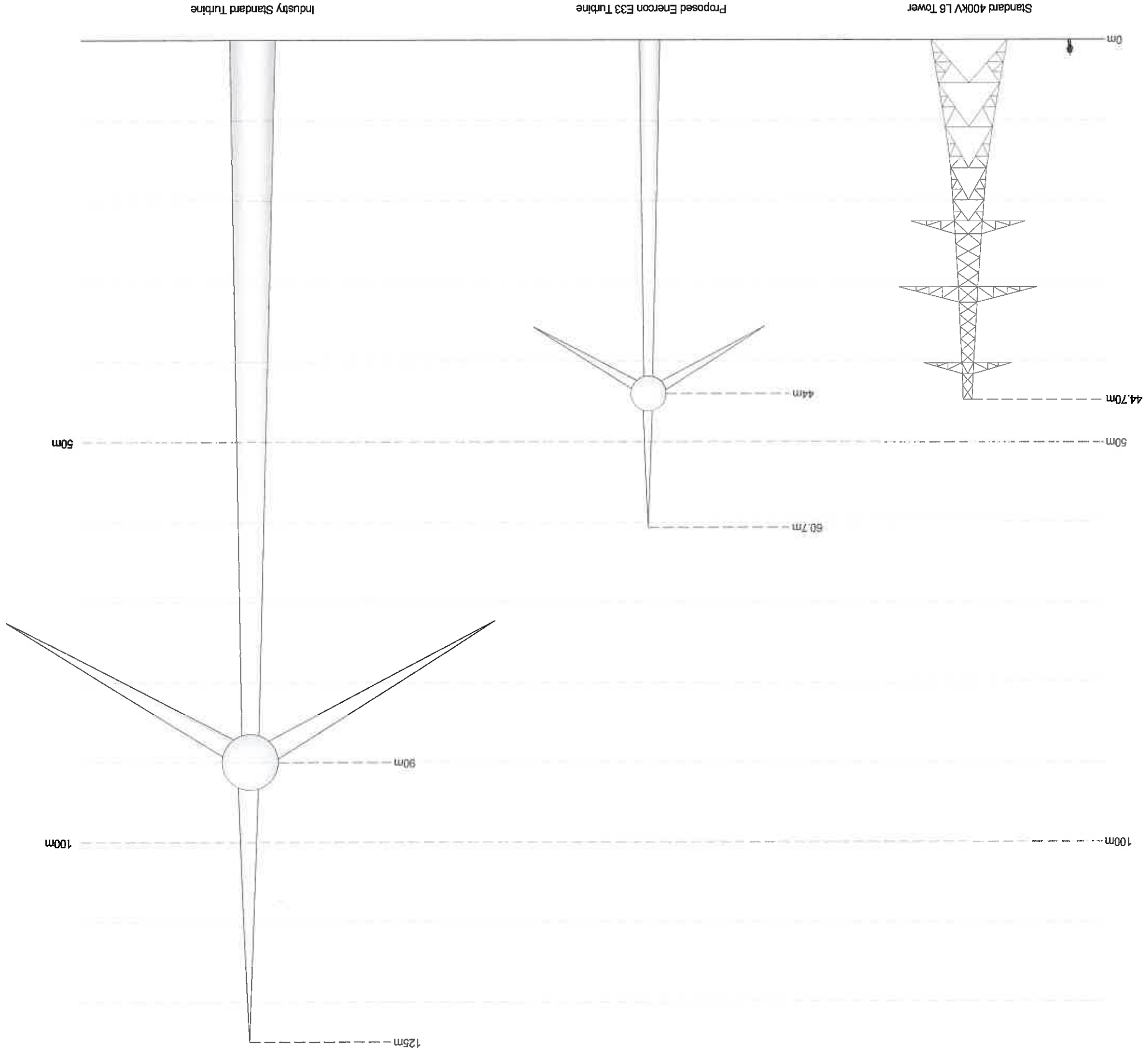


Figure No.	Figure Title
1	Proposed Turbine and Comparators
2	Study Area 7km radius
3	Site Layout
4	Topography
5	National Character Areas
6	Regional Landscape Character Types/Areas
7	Landscape Capacity Assessment
8	Designated Landscapes
9	Zone of Theoretical Visibility (ZTV) 44m to hub
10	Zone of Theoretical Visibility (ZTV) 60.7m to blade tip
11	Cumulative Zone of Theoretical visibility 60.7m to blade tip & additional proposed wind turbines
12	Zone of Theoretical Visibility; 60.7m to blade tip showing National and Regional Landscape Character Areas/Types
13	Viewpoint 1: Trapp Lane, Whittle Hill

Figure No.	Figure Title
14	Wireline and photomontage, Trapp Lane, Whittle Hill
15	Viewpoint 2: Nick of Pendle, Clitheroe Road
16	Wireline and photomontage, Nick of Pendle, Clitheroe Road
17	Viewpoint 3: Stump Hall, Stumphall Road
18	Wireline and photomontage, Stump Hall, Stumphall Road
19	Viewpoint 4: Highham, A6068, Barrowford Road
20	Wireline and photomontage, Highham, A6068, Barrowford Road
21	Viewpoint 5: Padilham, A6068 Barrowford Road
22	Wireline and photomontage, Padilham, A6068 Barrowford Road
23	Viewpoint 6: Hapton, Manchester Road
24	Wireline and photomontage, Hapton, Manchester Road
25	Full Panoramas : Photoviewpoints 1 & 2
26	Full Panoramas : Photoviewpoints 3 & 4
27	Full Panoramas : Photoviewpoints 5 & 6



legend

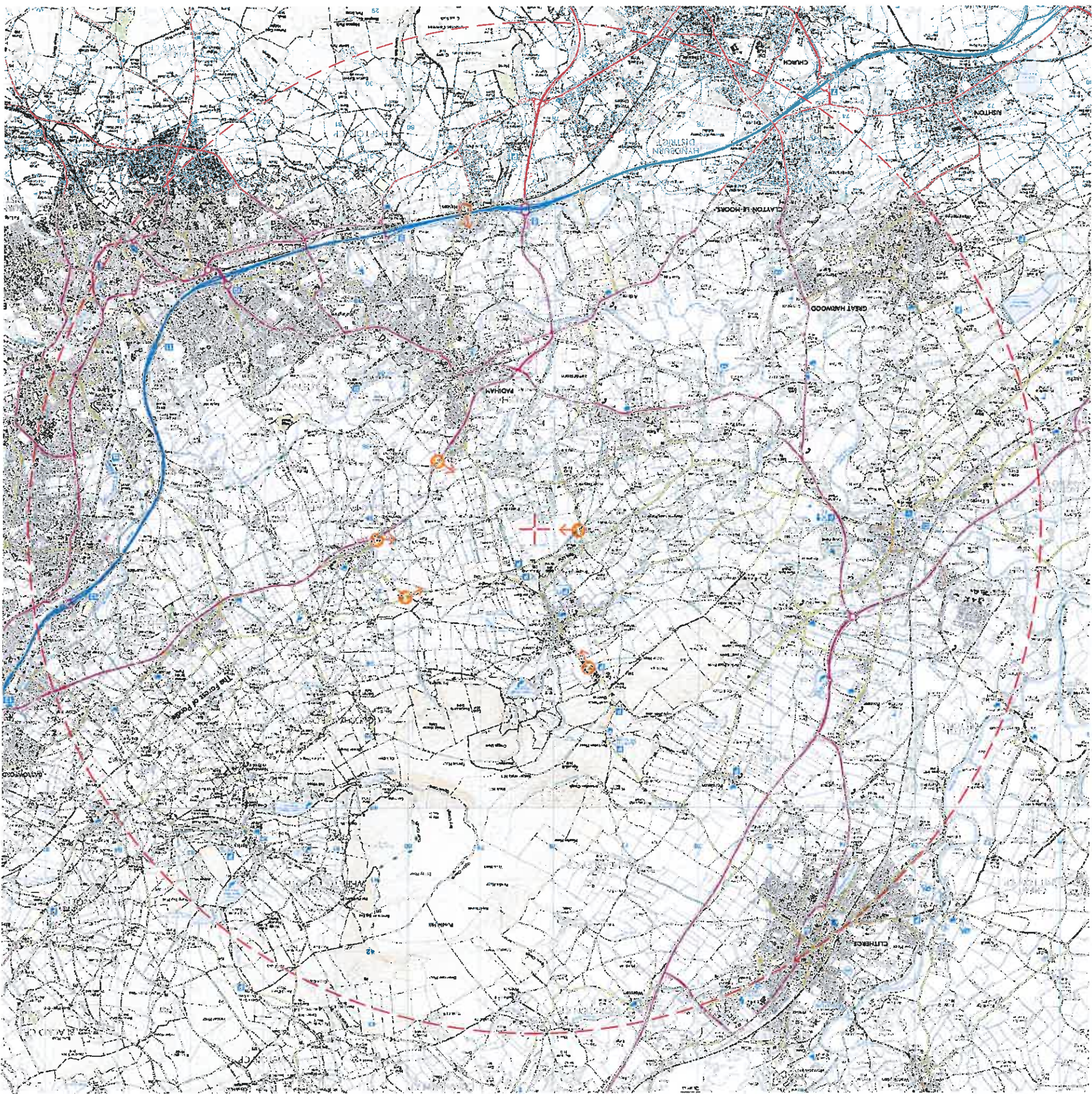


project title
N160: Huntrode
Proposed Turbine & Comparators

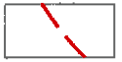
figure reference
N160-GR-LVIA-001

scale
1:500 @ A3

date
February 2013



legend



7km Radius study area



Turbine location



Viewpoint location & reference

Notes:

1. Proposed turbine coordinates: 378271, 436147



project title

N160: Huntrode

figure reference

N160-GR-LVIA-002

date

February 2013

scale

As Shown @ A3



© one associates

figure title

Study Area 7km Radius

figure reference

N160-GR-LVIA-002

date

February 2013

scale

As Shown @ A3



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legend



Site boundary



Proposed turbine location



Proposed access track/turning point



Crane pad



Substation

Notes:

1. Infrastructure shown relates to Enercon specification details.
2. Access road is to be a minimum of 4m wide and 5.5m on curved sections.
3. There should be a minimum clearance width of 3.59m, and a clearance height of 3.59m.
4. The crane pad is shown as 20x16m, however this is subject to specific turbine selection.
5. Access road radii are to 24m.
6. The sub-station is to be micro-sited within 22m radius zone of the turbine during construction stage.
7. Proposed turbine coordinates: 378271, 436147.



metres
0 20 40 80

project title

N160: Huntrode
Site Layout

figure reference

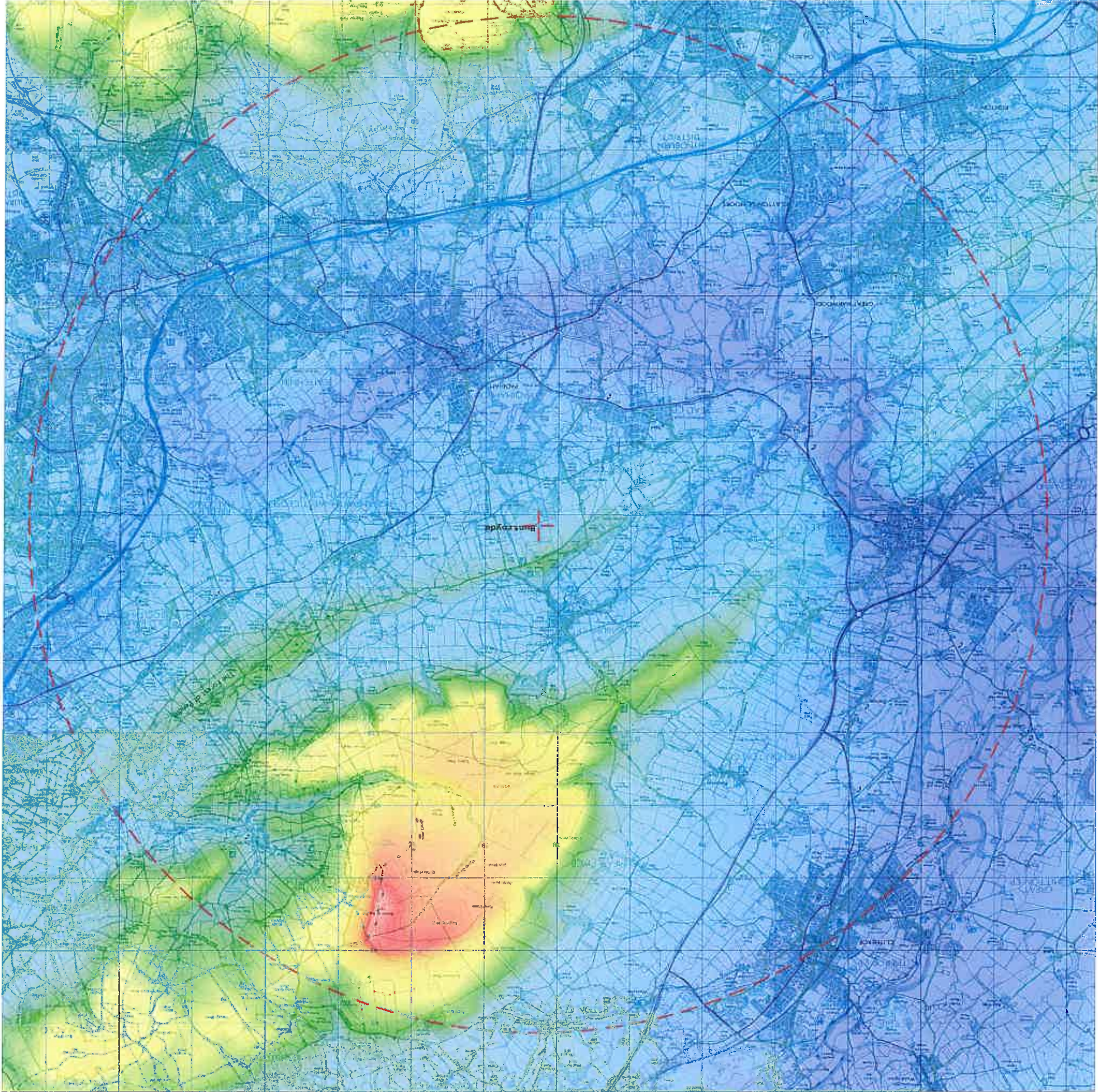
As Shown @ A3
N160-GR-LVIA-003

date

February 2013

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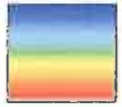


legend



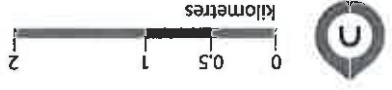
Turbine location

Elevation



0 mAO

555 mAO



project title

N160: Huntroyde

figure title

Study Area 7km Radius

figure reference

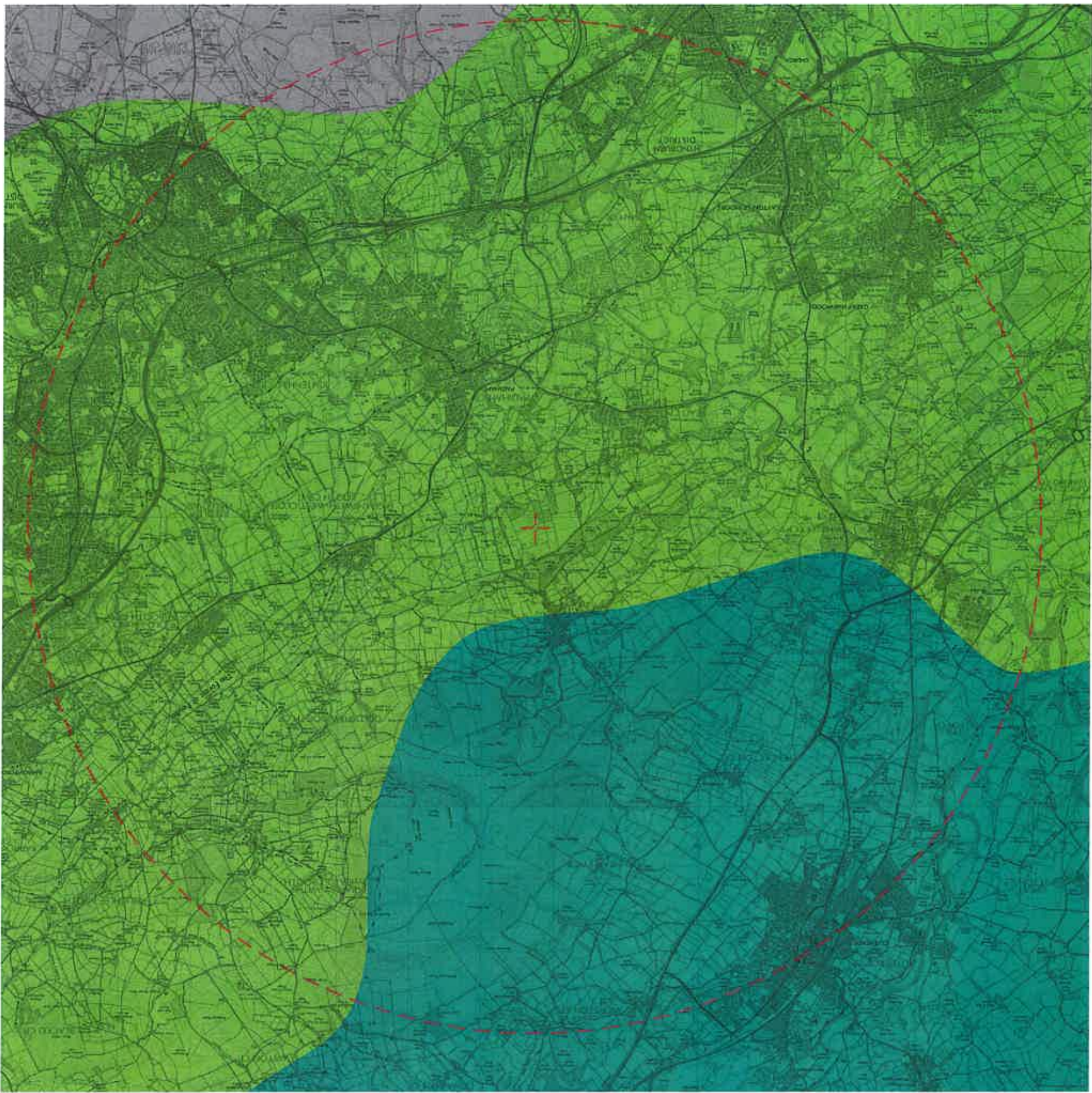
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scale

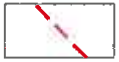
As Shown @ A3

date

February 2013



legend



7km Radius study area



Turbine location



Character Area 33: Bowland Fringe & Pendle Hill



Character Area 35: Lancashire Valleys



Character Area 36: Southern Pennines



project title

N160: Huntroyde

figure title

National Landscape Character

figure reference

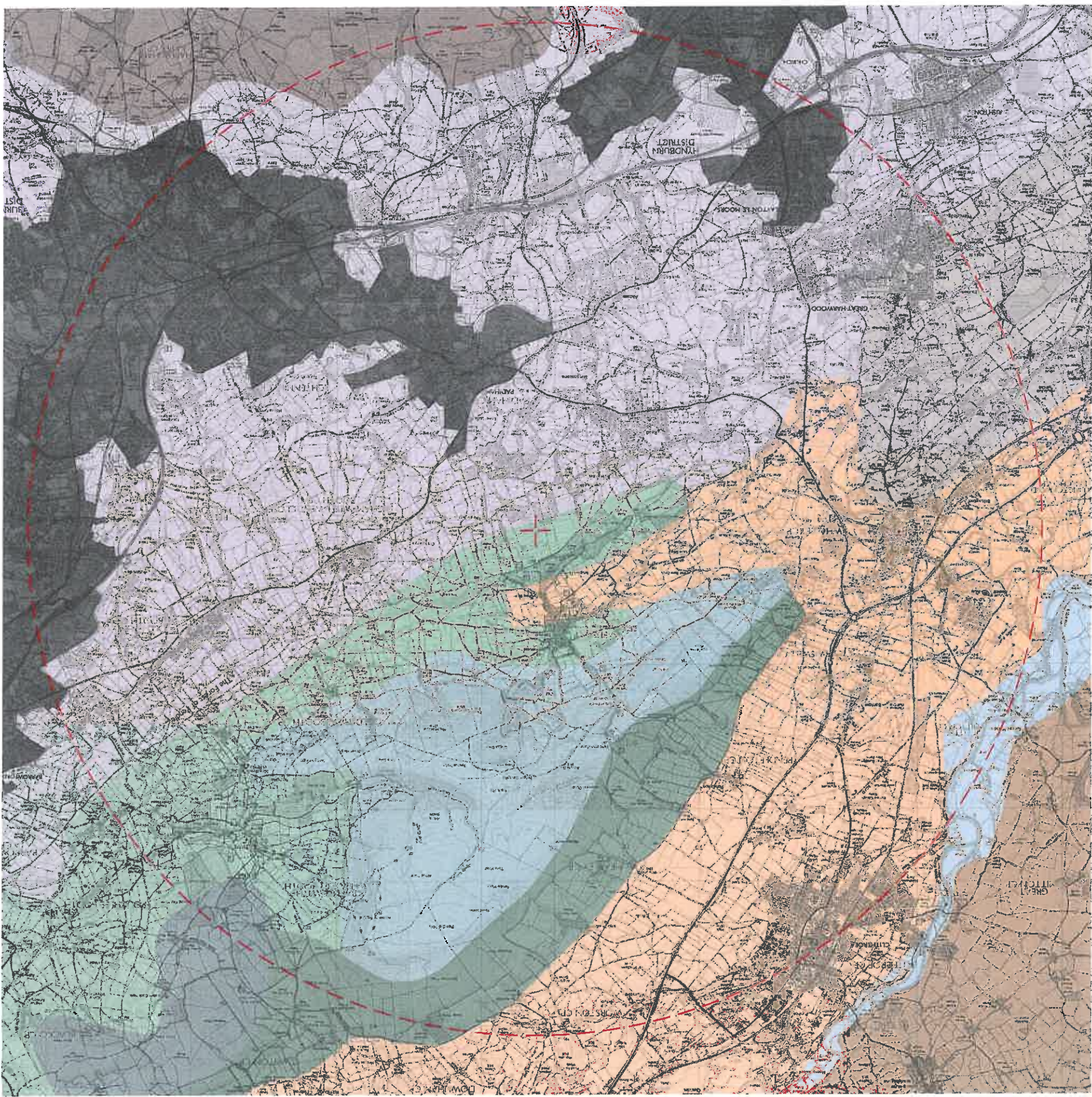
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scale

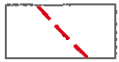
As Shown @ A3

date

February 2013



legend



Turbine location



2 - Moortand Hills:



2f - White Moor/ Burn Moor



3 - Enclosed Uplands:



4g - South Pendle Fringe



4l - North Pendle Fringe



5 - Undulating Lowland Farmland:



5g - South Bowland Fringes



6 - Industrial Foothills and Valleys:



6c - Cliviger Gorge



7 - Farmed Ridges:



11 - Valley Floodplains:



Urban Areas



0 0.5 1 2
kilometres

project title

N160: Huntroyde

figure reference

N160-GR-LVIA-006

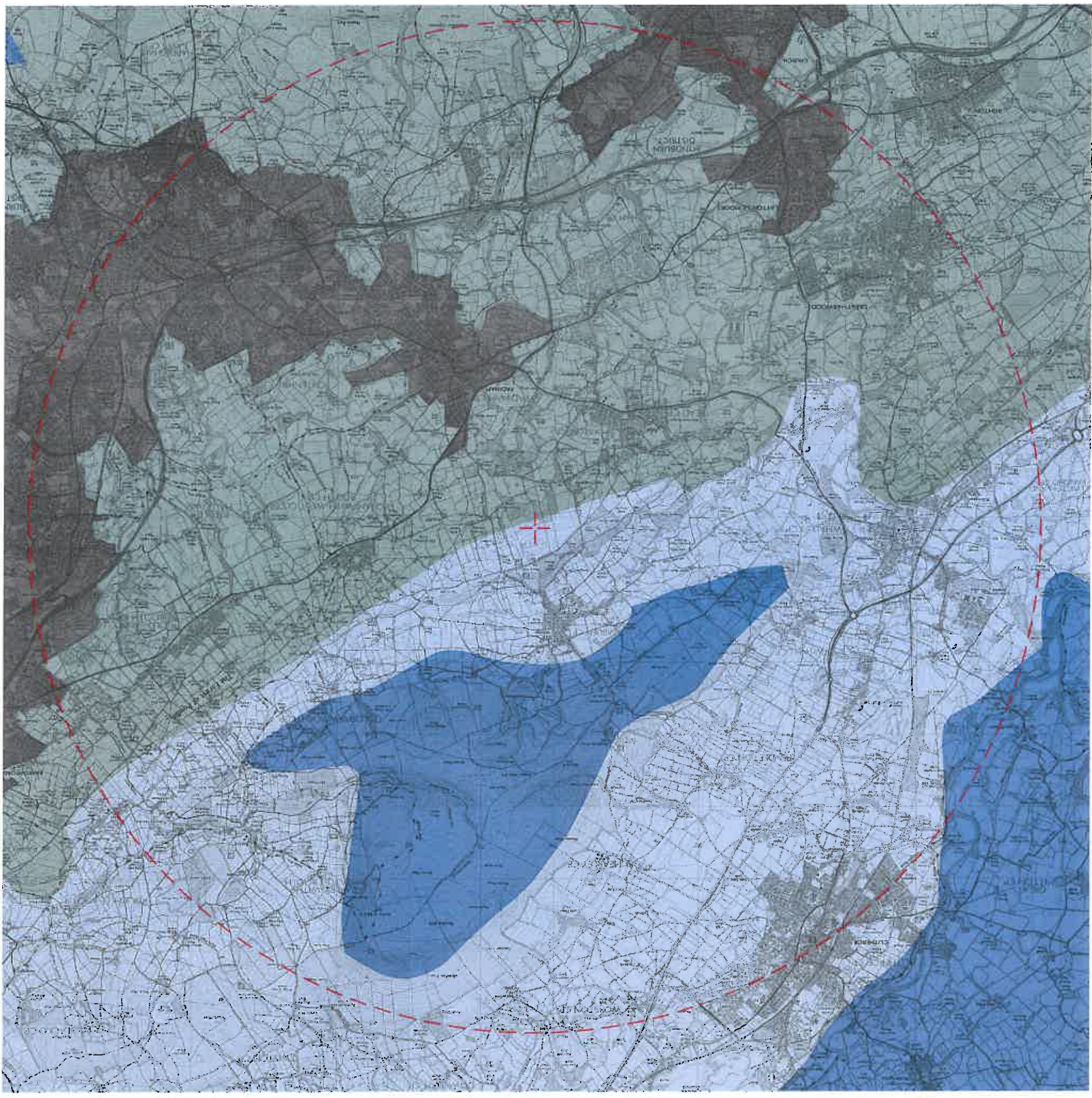
scale

As Shown @ A3

date

February 2013

Regional Landscape Character
Types/ Areas



legend

- 7km Radius study area
- Turbine location
- Urban
- Moderate
- Moderate - High
- High

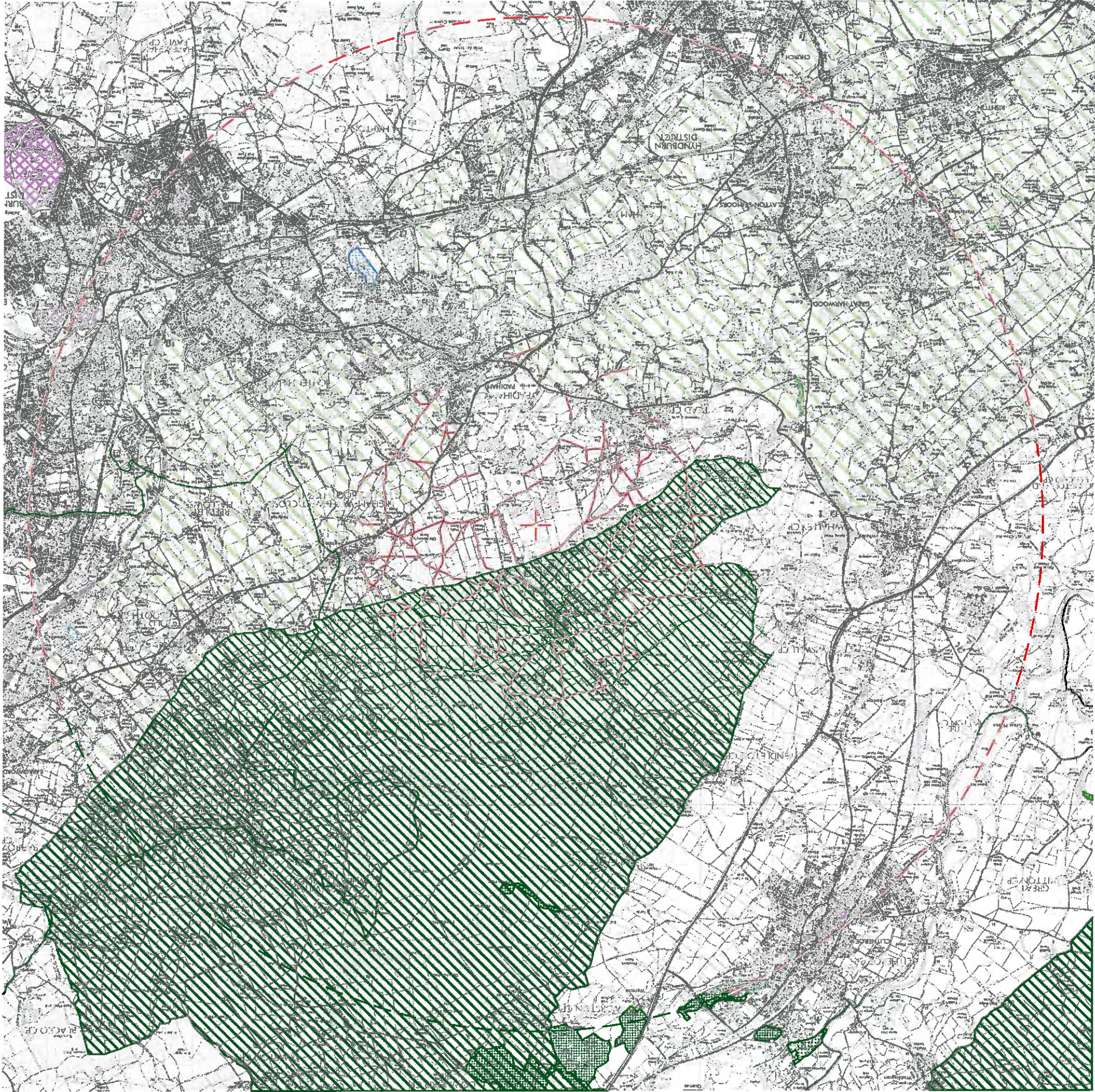


0 0.5 1 2
kilometres

project title
N160: Huntrode
Landscape Sensitivity

figure reference
N160-GR-LVIA-007
As Shown @ A3

date
February 2013



legend



- 7km Radius study area
- Turbine location
- Local authority boundaries
- Registered Parks & Gardens
- Sites of Special Scientific Interest
- Local Nature Reserve
- Area of Outstanding Natural Beauty
- Green Belt
- National Trail
- Bridleway
- Footpath
- within 2.5km of proposed turbine



0 0.5 1 2
kilometres

project title

N160: Huntrode

figure reference

N160-GR-LVIA-008

scale

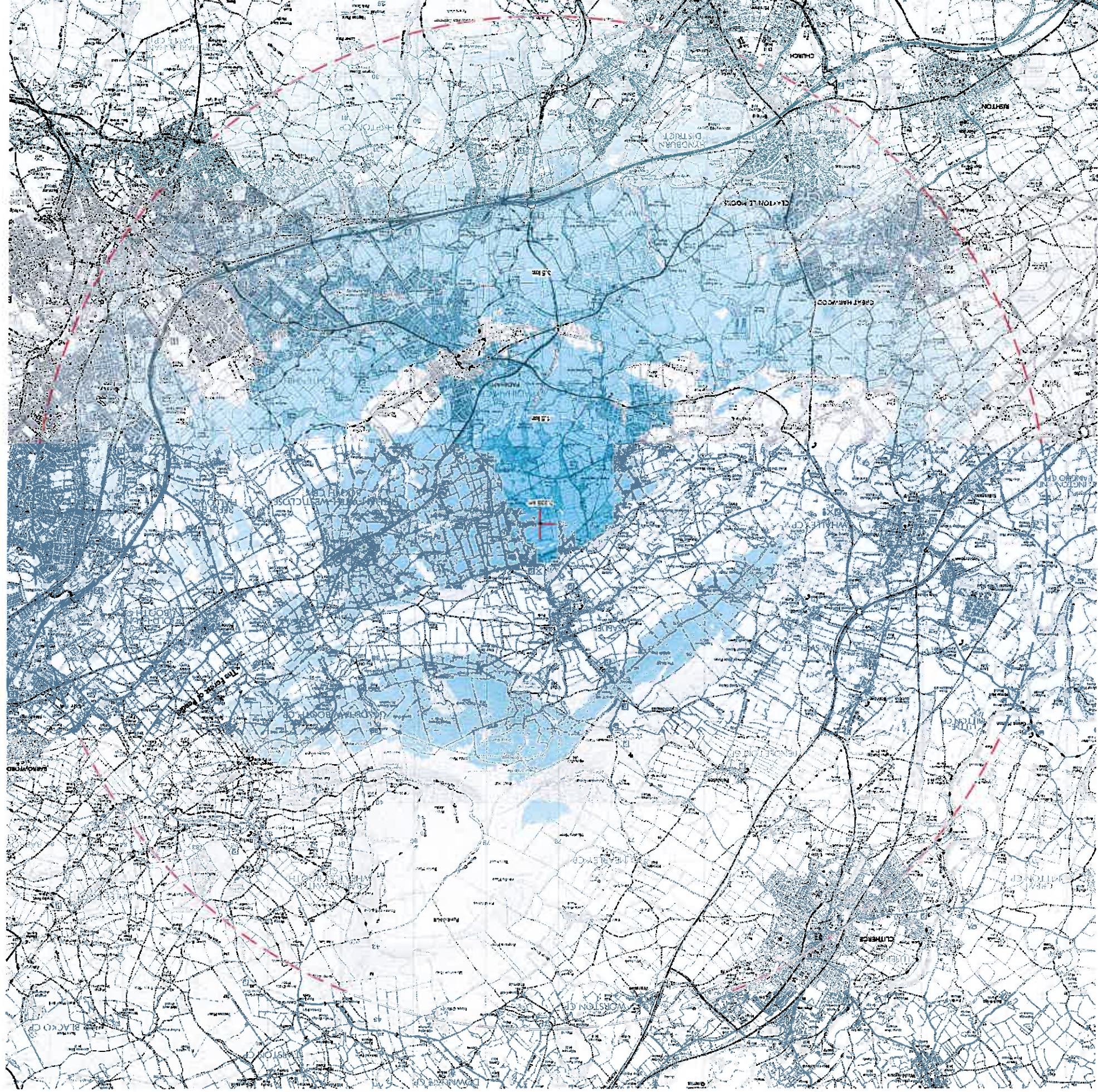
As Shown @ A3

date

February 2013

© one associates





legend



7km Radius study area



Turbine location



Area of potential visibility



Magnitude of Visual Impact

Very High	(0-0.335km)
High	(0.335-1.5km)
Medium	(1.5-3.5km)
Low	(3.5-7.0km)
Very Low	(From 7.0km)

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. The ZTV is based on a bare earth model, and as such does not account for the screening effects of settlement or woodland. As such the ZTV represents a potential 'worst case' scenario.
4. Curvature of the Earth has been accounted for.



kilometres

0 0.5 1 2

project title

N160: Huntroyde

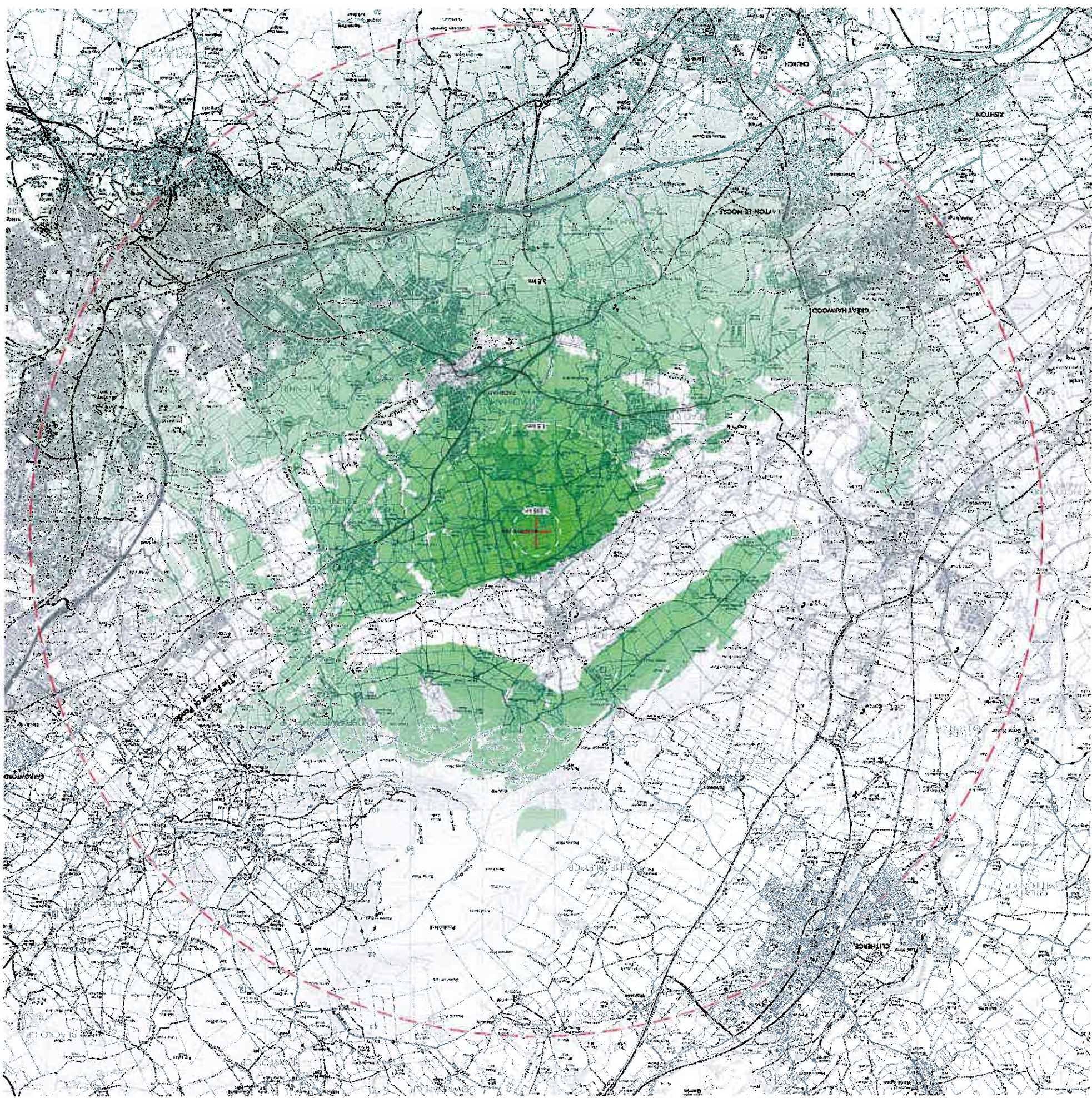
figure reference

Zone of Theoretical Visibility
(ZTV); 44m to Hub Height
N160-GR-LVIA-009
As Shown @ A3

scale

February 2013

date



legend

7km Radius study area

Turbine location

Area of potential visibility

Magnitude of Visual Impact

Very High
(0-0.335km)
High
(0.335-1.5km)
Medium
(1.5-3.5km)
Low
(3.5-7.0km)
Very Low
(From 7.0km)



- 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. The ZTV is based on a bare earth model, and as such does not account for the screening effects of settlement or woodland. As such the ZTV represents a potential 'worst case' scenario.
 4. Curvature of the Earth has been accounted for.



project title

figure reference

scale

date

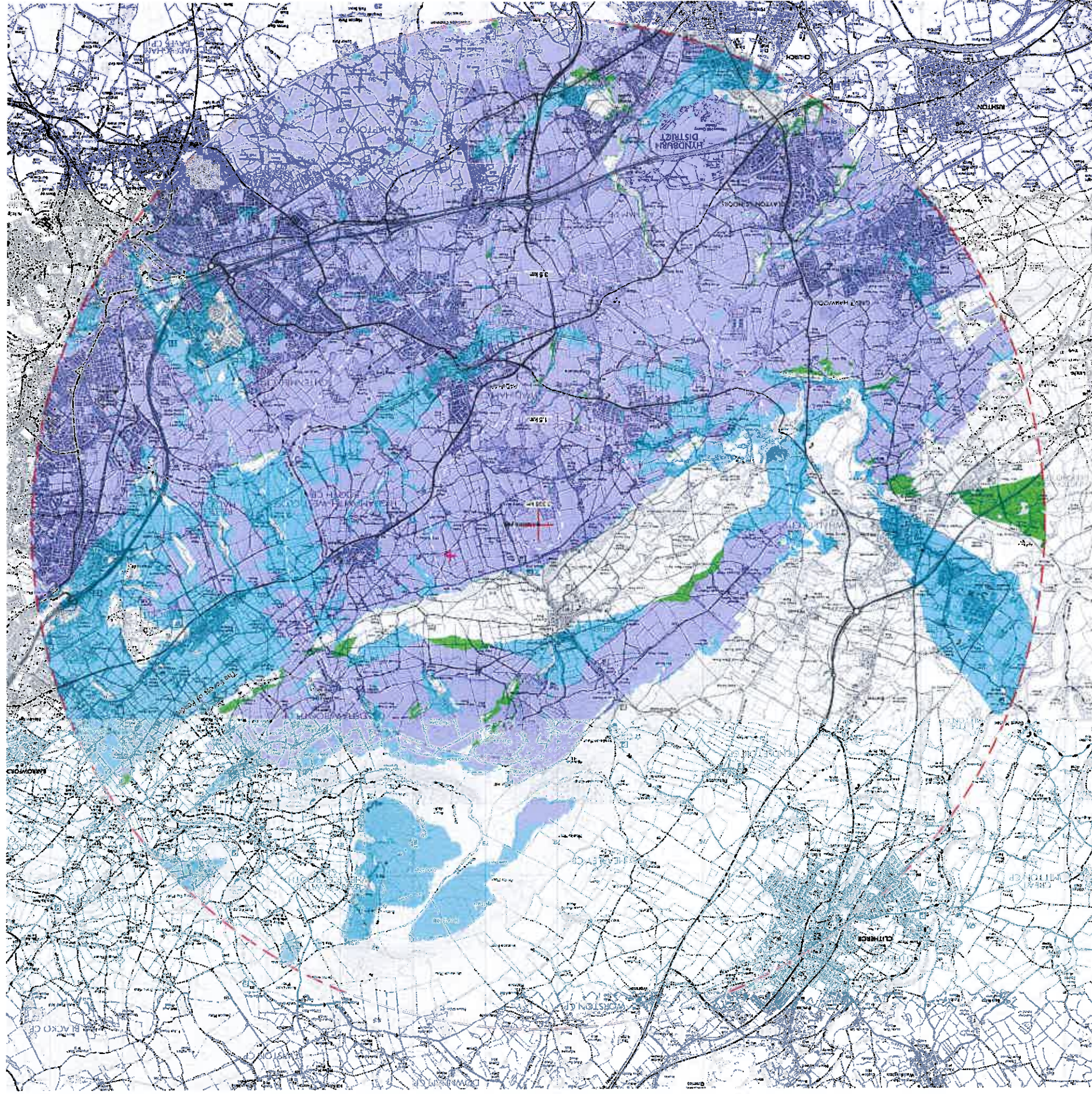
N160: Huntroyde

Zone of Theoretical Visibility
(ZTV): 60.7m to Blade Tip

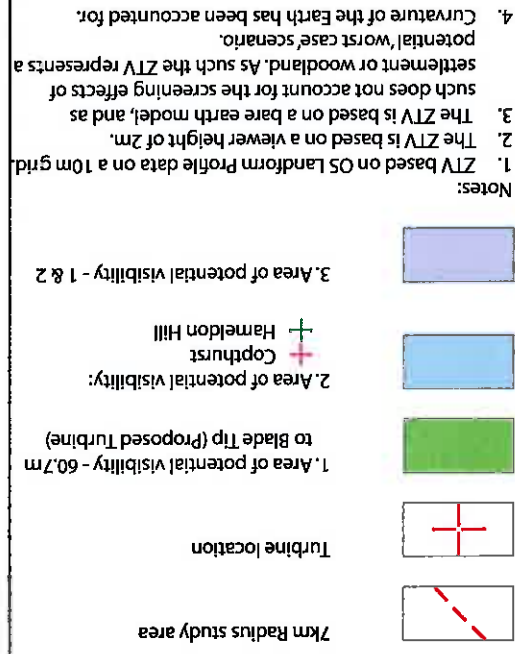
N160-GR-LVIA-010

As Shown @ A3

February 2013



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Legend

Figure 1: A schematic diagram of a two-dimensional lattice. It shows a grid of points with horizontal and vertical bonds. A central point is highlighted, and a path of points is indicated by a dashed line. The diagram is labeled 'Figure 1' and includes a caption below it.

Notes:

1. ZTV is based on OS Landform Profile data on a 10m grid.
2. The ZTV is based on a viewer height of 2m.
3. The ZTV is based on a bare earth model, and as such does not account for the screening effects of settlement or woodland. As such the ZTV represents a potential 'worst case' scenario.
4. Curvature of the Earth has been accounted for.

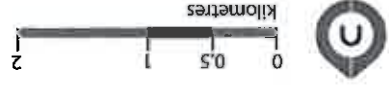
Notes:

2. The ZTV is

such does

potential

4. Curvature



project title

figure title

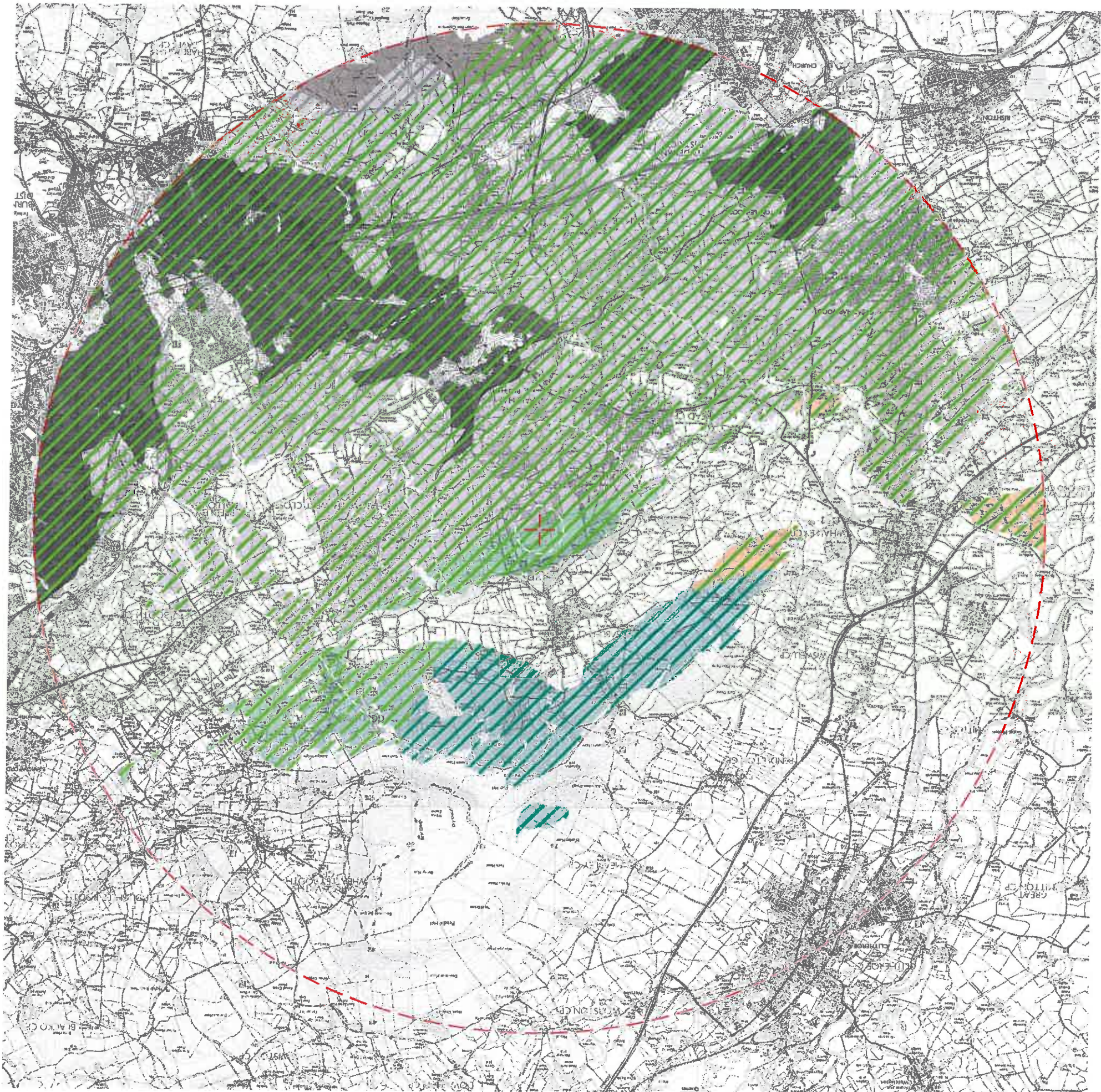
figure reference

scale

date

N160: Huntroyde
Cumulative ZTV; 60.7m to Blade
Tip & Additional Proposed
Turbines
N160-GR-LVIA-011
As Shown @ A3
February 2013





legend

- 7km Radius study area
- Turbine location
- National Landscape Character Types
 - Character Area 33: Bowland Fringe & Pendle Hill
 - Character Area 35: Lancashire Valleys
 - Character Area 36: Southern Pennines
- Regional Landscape Character Types
 - 2e - Pendle Hill
 - 3a - Rossendale Hills
 - 4g - South Pendle Fringe
 - 5e - Lower Ribblesdale (Clitheroe to Gisburn)
 - 6a - Calder Valley
 - 7a - Mellor Ridge
- Urban Areas



0 0.5 1 2
kilometres

project title
N160: Huntroyde
ZTV: 60.7m to Blade Tip showing
National & Regional Landscape
Character Types/ Areas

figure reference
N160-GR-LVA-012

scale
As Shown @ A3

date
February 2013



Photoviewpoint 1 - Existing View



Viewpoint Information

Viewpoint Number: 377673.610, 436166.760
Ground Height: 229.00 mAOD
Viewer Height: 1.5m
Angle of View: 75°
Camera Model: Nikon D90
Camera Lens: Nikon DX 18-135mm
Focal Length: 50mm (equivalent)
Date & Time: 06/02/2013 12:51

Turbine Layout Information

Enercon E33
60.7m
44.2m
33m
0.60km

Turbine Make/ Model:
Height to Blade Tip:
Height to Hub:
Rotor Diameter:
Distance to Turbine:

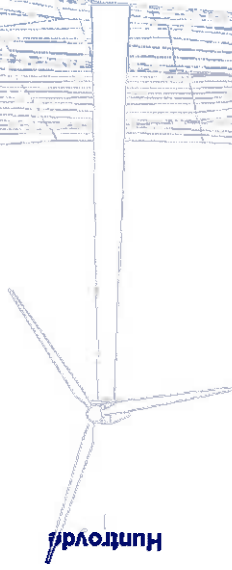
All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.

Notes

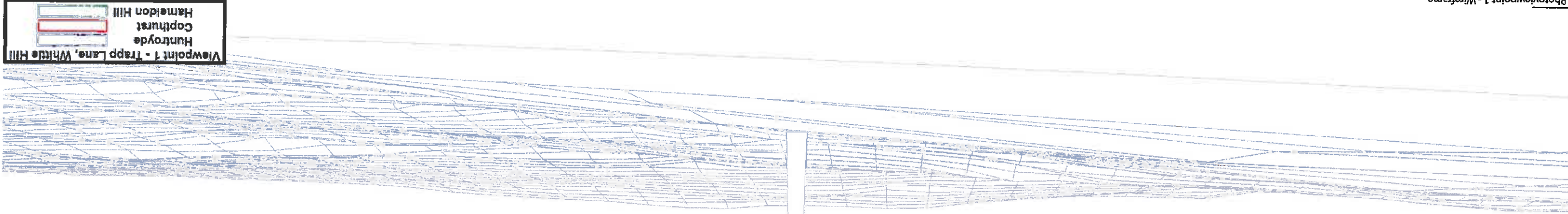


project title
figure title
figure reference
scale
date
N160: Huntroyde
Viewpoint 1: Trapp Lane, Whittle Hill
N160-GR-LVIA-013
1:25,000 @ A3
February 2013

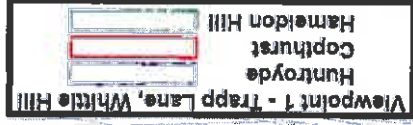
urst



Huntrodd



Photoviewpoint 1 - Wireframe



Viewpoint 1 - Trapp Lane, White Hill
Huntrodd
Copthurst
Harmeldon Hill



Photoviewpoint 1 - Photomontage



Photoviewpoint 2 - Existing View



Viewpoint Information

Viewpoint Number:	2
OS Grid reference:	377527.370, 438070.280
Ground Height:	226.00 mAOD
Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	06/02/2013 12:21

Turbine Layout Information

Turbine Make/ Model:	Enercon E33
Height to Blade Tip:	60.7m
Height to Hub:	44.2m
Rotor Diameter:	33m
Distance to Turbine:	2.06km

Notes

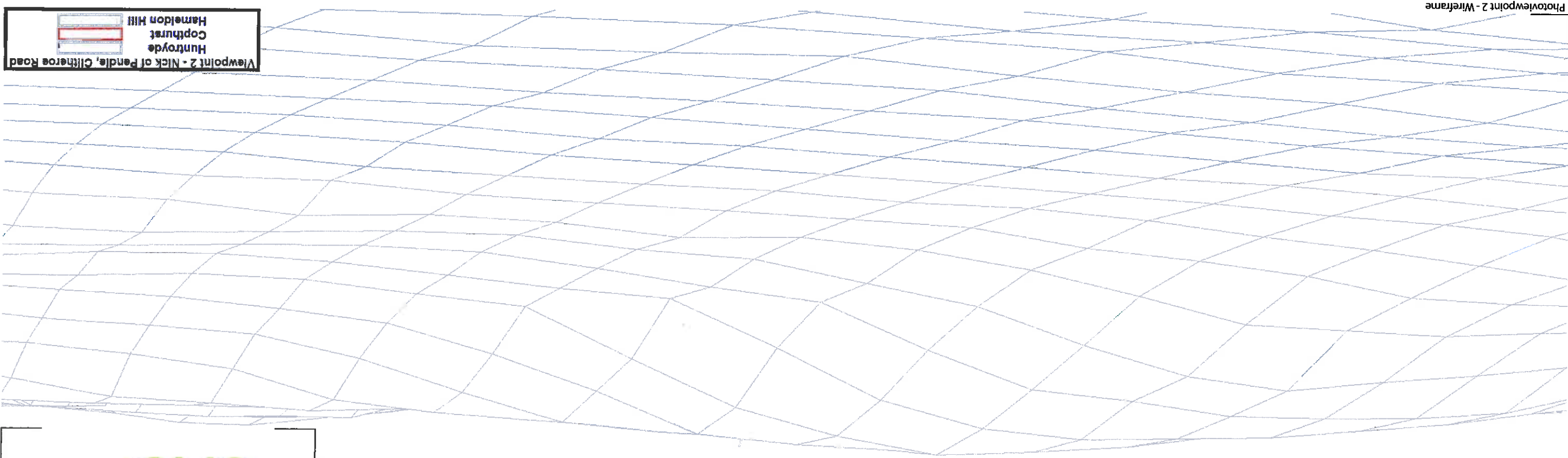
All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojection. This forms an overall field of view wider than that seen in detail by the human eye. All panoramic images should be viewed at a distance of 300mm to achieve the correct viewing distance.



0 0.25 0.5 1
kilometres

project title	N160: Huntroyde
figure title	Viewpoint 2: Nick of Pendle,
figure reference	Clitheroe Road
scale	N160-GR-LVIA-015
date	February 2013

Huntroyde
Hameldon Hill



Photoviewpoint 2 - Wireframe

Viewpoint 2 - Nick of Pendle, Clitheroe Road
Huntroyde
Cophurst
Hameldon Hill



Photoviewpoint 2 - Photomontage



Photoviewpoint 3 - Existing View



Viewpoint Information

Viewpoint Number: 3
OS Grid reference: 380050.090, 437077.750
Ground Height: 242.00 mAO
Viewer Height: 1.5m
Angle of View: 75°
Camera Model: Nikon D90
Camera Lens: Nikon DX 18-135mm
Focal Length: 50mm (equivalent)
Date & Time: 06/02/2013 11:42

Turbine Layout Information

Turbine Make/ Model: Enercon E33
Height to Blade Tip: 60.7m
Height to Hub: 44.2m
Rotor Diameter: 33m
Distance to Turbine: 2.01km

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojecton. 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.

Notes

project title
figure title

N160: Huntroyde
Viewpoint 3: Stump Hall,
Stumphall Road
N160-GR-LVIA-017

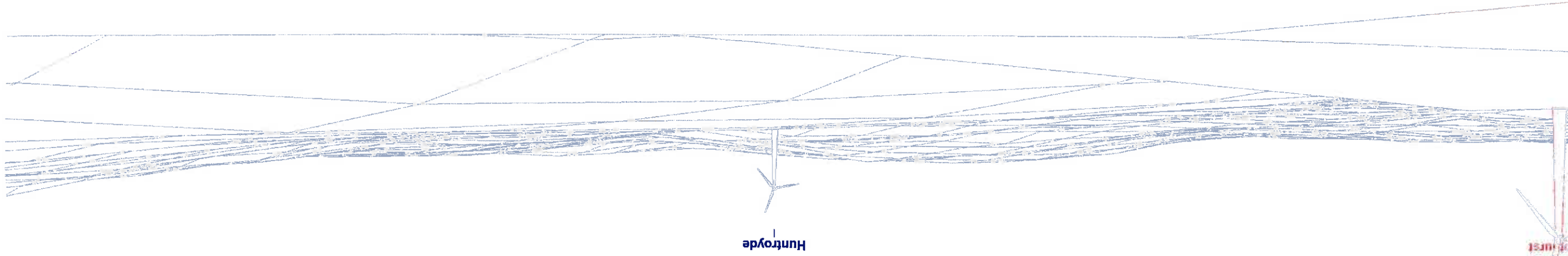
figure reference
scale

1:25,000 @ A3
February 2013

date



0 0.25 0.5 1
kilometres



Viewpoint 3 - Stump Hall, Stumphall Road
Huntroyde
Copthurst
Hameldon Hill

Photoviewpoint 3 - Wireframe



Photoviewpoint 3 - Photomontage



Photoviewpoint 4 - Existing View



Viewpoint Information

Viewpoint Number: 4
OS Grid reference: 380448.160, 436293.100
Ground Height: 164.00 mAOD
Viewer Height: 1.5m
Angle of View: 75°
Camera Model: Nikon D90
Camera Lens: Nikon DX 18-135mm
Focal Length: 50mm (equivalent)
Date & Time: 06/02/2013 11:58

Turbine Layout Information

Turbine Make/ Model: Enercon E33
Height to Blade Tip: 60.7m
Height to Hub: 44.2m
Rotor Diameter: 33m
Distance to Turbine: 2.18km

All panoramic images are composites made up of 50mm photographs joined together using cylindrical reprojction. 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.

Notes

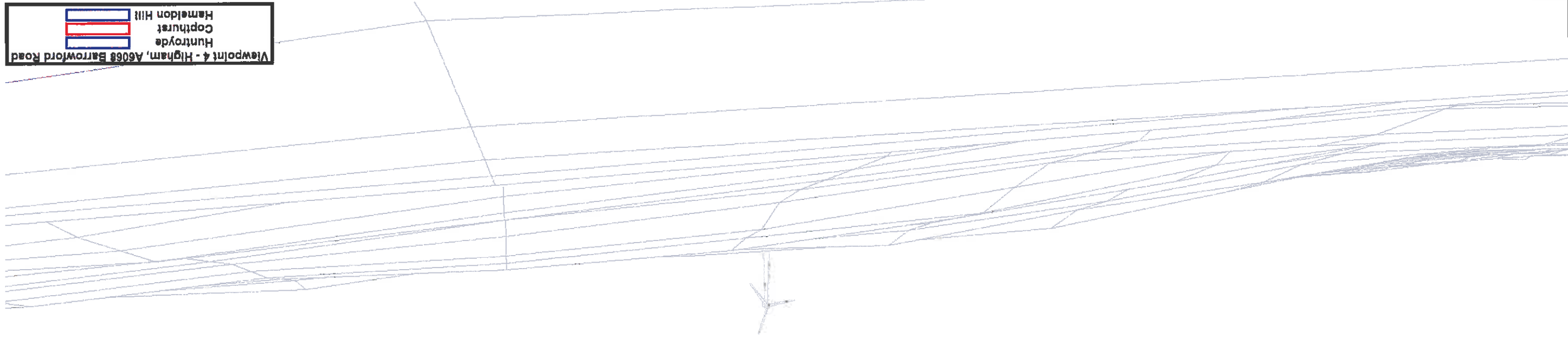


project title
figure title
figure reference
scale
date



N160: Huntrode
Viewpoint 4: Highham, A6068
Barrowford Road
N160-GR-LVIA-019
1:25,000 @ A3
February 2013

Huntroyde



Viewpoint 4 - Higham, A6068 Barrowford Road
Huntroyde
Copthurst
Hameldon Hill

Photoviewpoint 4 - Wireframe

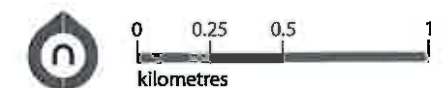


Photoviewpoint 4 - Photomontage

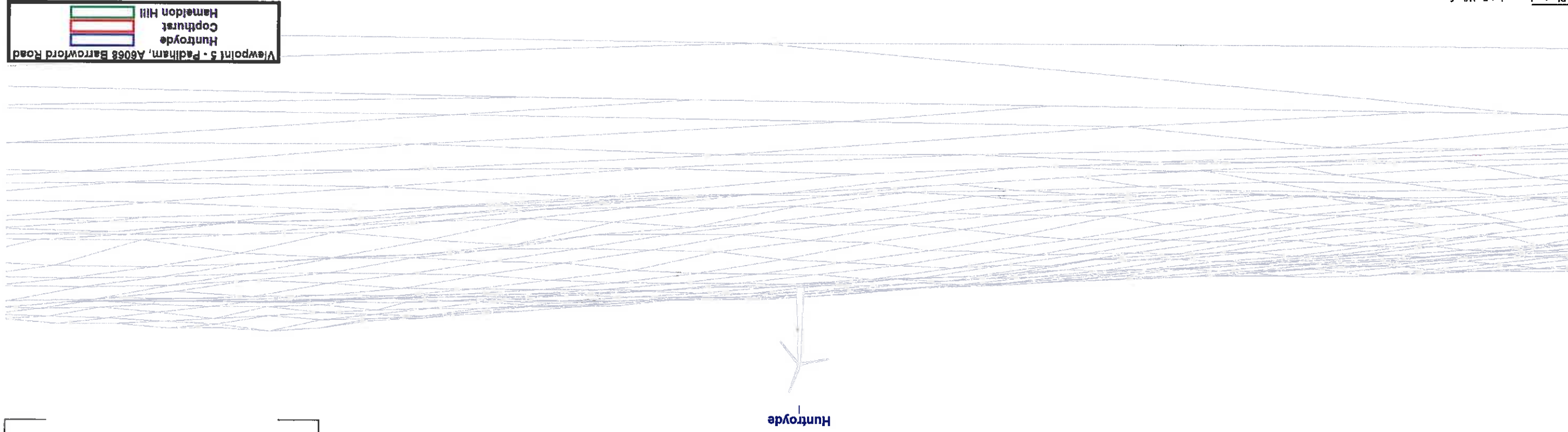
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OS Grid reference:	379608.800, 435204.890
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Viewer Height:	1.5m
Angle of View:	75°
Camera Model:	Nikon D90
Camera Lens:	Nikon DX 18-135mm
Focal Length:	50mm (equivalent)
Date & Time:	06/02/2013 13:40

Turbine Make/ Model:	Enercon E33
Height to Blade Tip:	60.7m
Height to Hub:	44.2m
Rotor Diameter	33m
Distance to Turbine:	1.64km

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 title	N160: Huntroyde
figure title	Viewpoint 5: Padiham, A6068 Barrowford Road
figure reference	N160-GR-LVIA-021
scale	1:25,000 @ A3
date	February 2013



Photoviewpoint 5 - Wireframe



Photoviewpoint 5 - Photomontage



Photoviewpoint 6 - Existing View



Viewpoint Information

Viewpoint Number: 6
OS Grid reference: 379244.260, 431739.090
Ground Height: 143.00 mAOD
Viewpoint Height: 1.5m
Angle of View: 75°
Camera Model: Nikon D90
Camera Lens: Nikon DX 18-135mm
Focal Length: 50mm (equivalent)
Date & Time: 06/02/2013 13:21

Turbine Layout Information

Turbine Make/ Model: Enercon E33
Height to Blade Tip: 60.7m
Height to Hub: 44.2m
Rotor Diameter: 33m
Distance to Turbine: 45.1km

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 title

N160: Huntrode
Viewpoint 6: Hapton,
Manchester Road

figure reference

N160-GR-LVIA-023

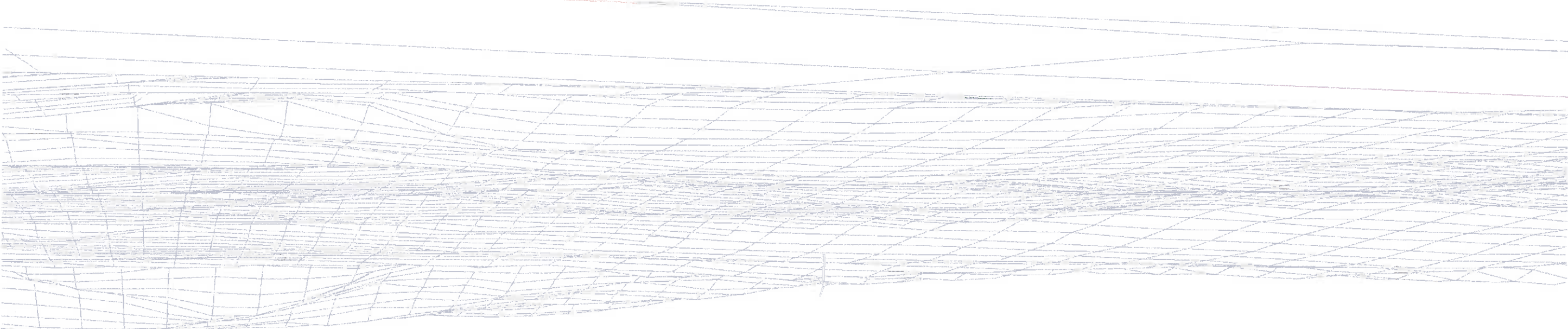
scale

1:25,000 @ A3

date

February 2013

Huntroyde



Hemeldon Hill

Copthurst

Huntroyde

Viewpoint 6 - Hapton, Manchester Road

Photoviewpoint 6 - Wireframe



Photoviewpoint 6 - Photomontage



Photoviewpoint 1 - Panorama



Photoviewpoint 2 - Panorama

Note:
All panoramic images are composites made up of 50mm photographs stitched together using cylindrical reprojection. The panoramic images on this sheet are not technical montages, and are for illustrative purposes only.



Photoviewpoint 5 - Panorama



Photoviewpoint 0 - Panorama

Note:
All panoramic images are composites made up of 50mm photographs stitched together using cylindrical reprojection. The panoramic images on this sheet are not technical montages, and are for illustrative purposes only.



Photoviewpoint 3 - Panorama

Note:
All panoramic images are composites made up of 50mm photographs stitched together using cylindrical reprojection. The panoramic images on this sheet are not technical montages, and are for illustrative purposes only.



Photoviewpoint 4 - Panorama