

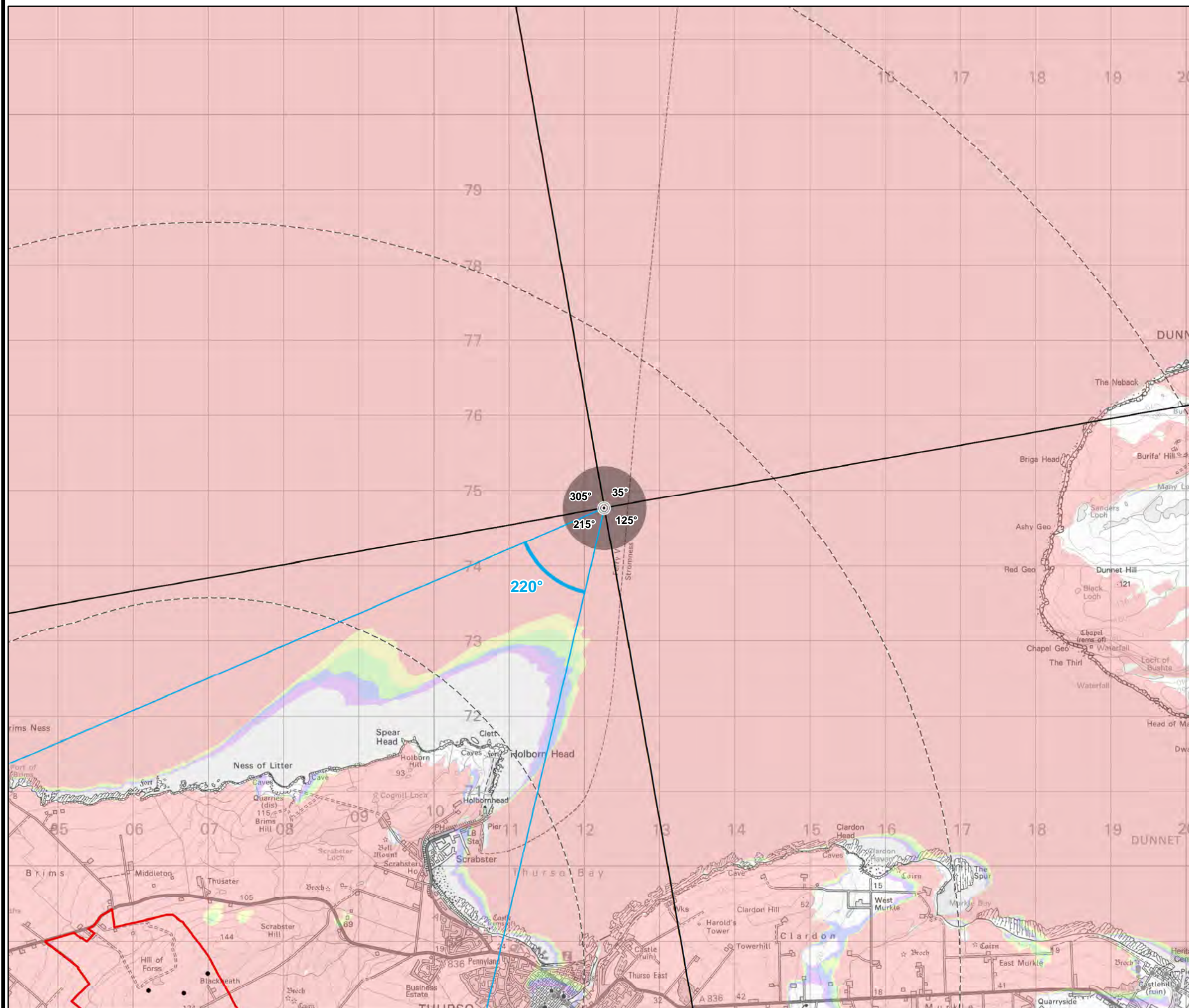


CAIRNMORE HILL WIND FARM

FIGURE 5.2.7

VIEWPOINT 7:
NORTHLINK FERRY (SCRABSTER TO STROMNESS)

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2022 ORDNANCE SURVEY 0100031673



- Planning application boundary
- Turbine layout (PSCOhof060)
- 5km intervals from outer turbines
- 40km LVIA study area
- Viewpoint
- 53.5° Field of View
- 90° Field of View

Theoretical wind farm visibility (138.5m)

- 1 turbine visible
- 2 turbines visible
- 3 turbines visible
- 4 turbines visible
- 5 turbines visible

Notes:
The ZTV is calculated to turbine tip height (138.5m) from a viewing height of 2m above ground level. The terrain model assumes bare ground. The data for a 45km buffer around the turbines is derived from OS Terrain 5 height data (obtained from EMapSite in July 2022). The data for extents beyond 45km is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.



Data source: RES, LUC, SNH, NC500

LAYOUT DWG: PSCOhof060

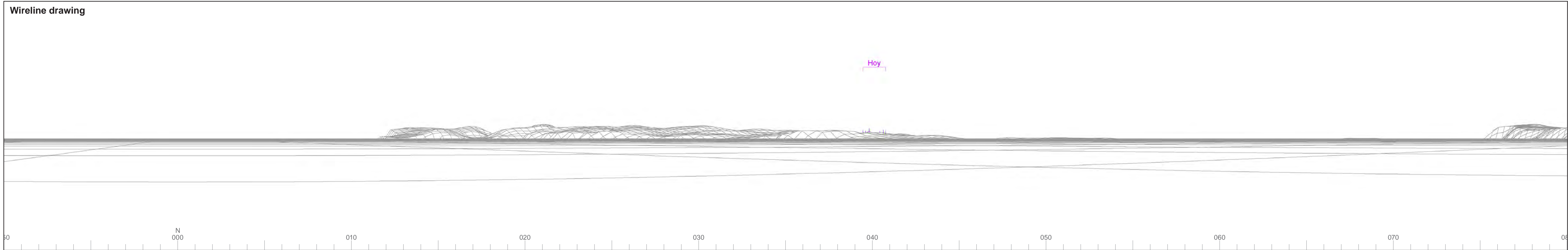
DRAWING NUMBER: FIG5-2-X_11524_r0_VPOverview_A3L

SCALE - 1:50,000 @ A3

LANDSCAPE AND VISUAL IMPACT ASSESSMENT, 2022

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Wireline drawing



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OS reference: 312261E 974766N
AOD: 4 m
Direction of view: 35°
Nearest turbine: 8.13 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

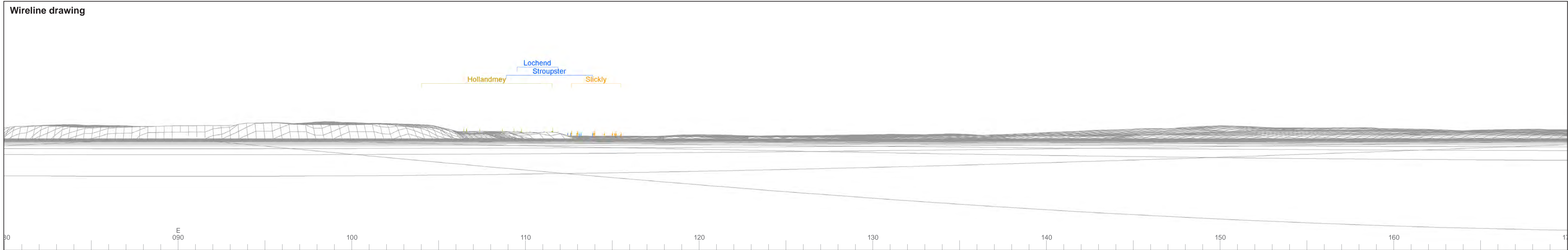
Photography Date: 21/09/2016
Photography Time: 07:55

Wind Farm Developments key
(by status):

Proposed scheme
Operational
Consented
Application
Appeal/PLI

Cairnmore Hill
Figure: 5.2.7a
Viewpoint 7: Northlink Ferry (Scrabster to Stromness)

Wireline drawing



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OS reference: 312261E 974766N
 AOD: 4 m
 Direction of view: 125°
 Nearest turbine: 8.13 km

Horizontal field of view: 90° (cylindrical projection)
 Principal distance: 522 mm
 Paper size: 841 x 297 mm (half A1)
 Correct printed image size: 820 x 260 mm

Camera: Nikon D750
 Lens: 50mm Fixed Focal Length
 Camera height: 1.5 m

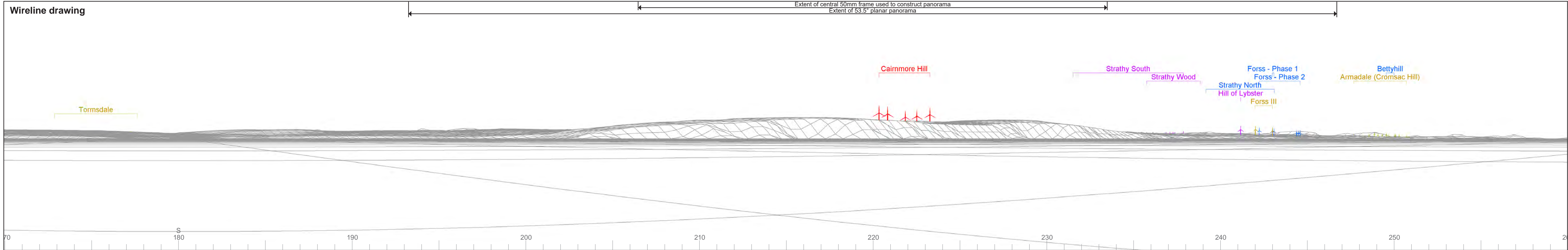
Photography Date: 21/09/2016
 Photography Time: 07:55

Wind Farm Developments key
 (by status):

Proposed scheme
 Operational
 Consented

Application
 Appeal/PLI

Cairnmore Hill
Figure: 5.2.7b
Viewpoint 7: Northlink Ferry (Scrabster to Stromness)



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OS reference: 312261E 974766N
AOD: 4 m
Direction of view: 215°
Nearest turbine: 8.13 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 21/09/2016
Photography Time: 07:55

Wind Farm Developments key
(by status):

Proposed scheme
Operational
Consented

Application
Appeal/PLI

Cairnmore Hill
Figure 5.2.7c
Viewpoint 7: Northlink Ferry (Scrabster to Stromness)

Wireline drawing

Dounreay Tri Demo

W
270

280

290

300

310

320

330

340

350

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OS reference: 312261E 974766N
AOD: 4 m
Direction of view: 305°
Nearest turbine: 8.13 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

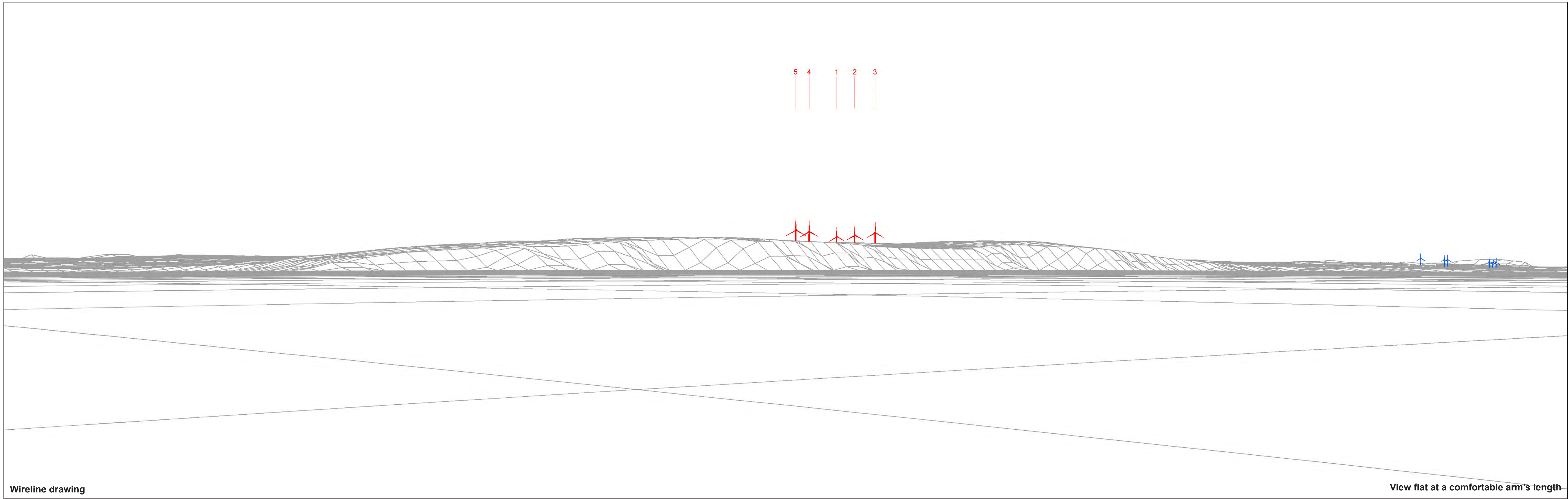
Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 21/09/2016
Photography Time: 07:55

Wind Farm Developments key
(by status):

Proposed scheme
Operational
Consented
Application
Appeal/PLI

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5 4 1 2 3

Wireline drawing

View flat at a comfortable arm's length



OS reference:	312261E 974766N	Horizontal field of view:	53.5° (planar projection)
AOD:	4 m	Principal distance:	812.5 mm
Direction of view:	220°	Paper size:	841 x 297 mm (half A1)
Nearest turbine:	8.13 km	Correct printed image size:	820 x 260 mm

Wind Farm Developments key
(by status):

Proposed scheme
Operational

Cairnmore Hill
Figure: 5.2.7e
Viewpoint 7: Northlink Ferry (Scrabster to Stromness)



Photomontage

View flat at a comfortable arm's length



OS reference: 312261E 974766N
AOD: 4 m
Direction of view: 220°
Nearest turbine: 8.13 km

Horizontal field of view: 53.5° (planar projection)
Principal distance: 812.5 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 260 mm

Camera: Nikon D750
Lens: 50mm Fixed Focal Length
Camera height: 1.5 m

Photography Date: 21/09/2016
Photography Time: 07:55

Notes:
Panoramic photography towards the proposed site has been captured from a moving vessel. This photography, when stitched, has been distorted due to movement and does not accurately align with wirelines

Cairnmore Hill
Figure: 5.2.7f
Viewpoint 7: Northlink Ferry (Scrabster to Stromness)