This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small... screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

No dimensions are to be scaled from this drawing.

All dimensions are to be checked on site.

Area measurements for indicative purposes only.

Location Plan - 1:50,000 scale

ViewPoint information

Digital SLR, 50mm

300mm

1.6m

198.4m 

115.9m

nearest turbine:

Photo date / time:

Camera & Lens:

angle (width):

Viewing Distance:

Viewer Height:

elevation (aoD):

Grid reference:

Blade tip

acelle Height:

this map is reproduced from ordnance Survey material with the permission of ordnance Survey on behalf of the Controller of Her majesty's Stationery office

© Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

FIGURE 8.7

Wireframe view - BOWL & MacColl & Stevenson -

Beatrice 36.74km, 21˚ ; MORL MacColl 57.06km, 19.3˚ ; MORL Stevenson 46.14km, 10.1˚ ;

MORL Telford 41.76km, 9.0˚
Existing view

This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

© LDA Design Consulting LLP.  Quality Assured to BS EN ISO 9001 : 2008

No dimensions are to be scaled from this drawing.

All dimensions are to be checked on site.

Area measurements for indicative purposes only.

Beatrice offshore wind farm

ISSUED BY
Oxford:

DATE
Dec 2012

DRAWN
SG

PAGE SIZE
841mm x 297mm

CHECKED
SD

STATUS
Final

APPROVED
JP

DATE Dec 2012

Drawing title

Viewpoint 2: Keiss Pier (nr Keiss Harbour House)

FIGURE 8.8

Extents of Beatrice Offshore Wind Farm

Extent of MORL MacColl

Location Plan - 1:50,000 scale

View Point Information

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

Digital SLR, 50mm

300mm

1.6m

198.4m

115.9m

Nearest turbine:

Photo date / time:

12/06/2011

12.05

135°

12.45m

Grid reference:

335059, 960929

Blade tip

Nacelle Height:

Wireframe views - BOWL & MacColl: Beatrice 27.35km, 29.3° ; MORL MacColl 49.14km, 23.9°

drawings only. No responsibility is accepted for any such material or data that may be obtained from the use of this drawing. No model or model shown is to be proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
Existing view

This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

© LDA Design Consulting LLP. Quality Assured to BS EN ISO 9001 : 2008

No dimensions are to be scaled from this drawing.
All dimensions are to be checked on site.
Area measurements for indicative purposes only.

Location Plan - 1:50,000 scale

View Point Information
This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

Photo date / time: 12/06/2011 16.45
Camera & Lens: Digital SLR, 50mm 300mm
Angle (width): 135°
Viewing Distance: 1.6m
Viewer Height: 33.37m
Elevation (AOA): 328903, 963005

LDÄ DESIGN

Beatrice Offshore Wind Farm (Including MOL Wind Farms)

ISSUED BY Oxford: 01865 887050
DATE Dec 2012
DRAWN SG
PAGE SIZE 841mm x 297mm
CHECKED SD
STATUS Final
APPROVED JP

FIGURE 8.10

Extent of Beatrice Offshore Wind Farm
Extent of MORL MacColl
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

© LDA Design Consulting LLP. Quality Assured to BS EN ISO 9001:2008

No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements for indicative purposes only.

PrOjECt tIt LE
Beatrice OffshOre Wind f arm
(including mOrl Wind f arms)

ISSUED BY Oxford t: 01865 887050

DATE Dec 2012
DRAWN SG
PAGE SIZE 841mm x 297mm
CHECKED SD
STATUS Final
APPROVED JP

ViewPoint i nformation
Digital SLR, 50mm
300mm
1.6m
198.4m 115.9m

nearest turbine: Photo date / time:
Camera & Lens:
angle (width):
Viewing Distance:
Viewer Height:
elevation (aoD):
Grid reference:

Blade tip
acelle Height:

this map is reproduced from ordnance Survey material with the permission of ordnance Survey on behalf of the Controller of Her majesty's Stationery office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

FIGURE 8.11
Wireframe view - BOWL & MacColl & Stevenson - Beatrice 32.49km, 26.4˚; MORL MacColl 54.31km, 22.1˚; MORL Stevenson 42.27km, 9.4˚; MORL Telford 40.15km, 8.1˚

Drawing title
Viewpoint 3: Sortat
12/06/2011 16.45 135° 33.37m 328903, 963005

Extent of Beatrice Offshore Wind Farm
Extent of MORL MacColl
Extent of MORL Stevenson
Extent of MORL Telford
Existing view
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
Existing view
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small ... screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

Location Plan - 1:50,000 scale

View Point Information

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

Photograph taken by: Digital SLR, 50mm

300mm

1.6m

198.4m

Nearest turbine:

Photo date / time:

14/06/2011

12.45

135°

51.32m

Location Plan - 1:50,000 scale

View Point Information

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

Photograph taken by: Digital SLR, 50mm

300mm

1.6m

198.4m

Nearest turbine:

Photo date / time:

14/06/2011

12.45

135°

51.32m

View title

DrawiNG title

Viewpoint 9: Dunbeath (nr Heritage Centre)

FIGURE 8.22

Beatrice Offshore Wind Farm (including MORL Wind Farms)
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
Existing view

This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

Beatrice Offshore Wind Farm
(including Morl & MacColl

Extent of Beatrice Offshore Wind Farm
Extent of MORL MacColl

© LDA Design Consulting LLP. Quality Assured to BS EN ISO 9001:2008

No dimensions are to be scaled from this drawing. All dimensions are to be checked on site. Area measurements are for indicative purposes only.

About the Author: LDA Design Consulting LLP

DATE Dec 2012 DRAWN SG
PAGE SIZE 841mm x 297mm CHECKED SD
STATUS Final APPROVED JP

VIEWPOINT INFORMATION

Position Information
This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty’s Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

Digital SLR, 50mm

View Path

Viewing Distance:

Viewer Height:

Elevation (aOD):

Grid Reference:

Blade Tip

Nacelle Height:

Wireframe view - BOWL & MacColl - Beatrice 15.33km, 53.5˚; MORL MacColl 33.83km, 33.6˚
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

Location Plan - 1:50,000 scale

ViewPoint information
Digital SLR, 50mm
300mm
1.6m
198.4m / 115.9m
nearest turbine:
Photo date / time:
Camera & Lens:
angle (width):
Viewing Distance:
Viewer Height:
elevation (aoD):
Grid reference:
Blade tip
acelle Height:

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her majesty's Stationery office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

FIGURE 8.27
Wireframe view - BOWL & MacColl & Stevenson - Beatrice 33.06km, 24.7˚; MORL MacColl 43.83km, 18.4˚; MORL Stevenson 41.58km, 12.8˚.
Existing view
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
Existing view

This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small... screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

Beatrice Offshore Wind Farm

ISSUED BY Oxford

DATE Dec 2012

DRAWN SG

PAGE SIZE 841mm x 297mm

CHECKED SD

STATUS Final

APPROVED JP

Position Information

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

Digital SLR, 50mm

Viewing Distance:

Viewer Height:

Elevation (aOD):

Grid Reference:

Beatrice Offshore Wind Farm

Challenge

FIGURE 8.30

Field of Beatrice Offshore Wind Farm

Area of Influence

Nearst turbine: 29.48km, 29.3˚; MORL MacColl 50.70km, 23.5˚

Photo date / time: 12/06/2011

17.15

135°

33.78m

325419, 956202

Beatrice Offshore Wind Farm (including MÖR Wind Farms)
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

Location Plan - 1:50,000 scale

ViewPoint information

Digital SLR, 50mm
300mm
1.6m
198.4m 115.9m

nearest turbine:

Photo date / time: 12/06/2011 17.15
Camera & Lens: 135°
angle (width): 33.78m
Viewing Distance: 325419, 956202
Viewer Height: 3
Elevation (aOD): 2

Grid reference:

Blade tip: 3120 3280 3400

FIGURE 8.31

Wireframe view - BOWL & MacColl & Stevenson - Beatrice 29.48km, 29.3˚; MORL MacColl 50.70km, 23.5˚; MORL Stevenson 39.38km, 11.0˚; MORL Telford 38.68km, 10.3˚
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

Location Plan - 1:50,000 scale

ViewPoint information

Digital SLR, 50mm
300mm
1.6m
198.4m/115.9m
nearest turbine:

Photo date / time:
Camera & Lens:
angle (width):
Viewing Distance:
Viewer Height:
elevation (aoD):
Grid reference:

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

FIGURE 8.35
Wireframe view - BOWL & MacColl & Stevenson - Beatrice 19.73km, 20.6˚; MORL MacColl 26.87km, 22.3˚; MORL Stevenson 24.89km, 17.8˚;

Wireframe view - BOWL & MacColl & Stevenson & Telford - Beatrice 19.73km, 20.6˚; MORL MacColl 26.87km, 22.3˚; MORL Stevenson 24.89km, 17.8˚; MORL Telford 17.83km, 28.1˚.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

© LDA Design Consulting LLP. Quality Assured to BS EN ISO 9001:2008

No dimensions are to be scaled from this drawing.
All dimensions are to be checked on site.
Area measurements for indicative purposes only.

PrOjECt tIt LE
Beatrice OffshOre Wind f arm
(including mOrl  Wind f arms)

ISSUED BY
Oxford
: 01865 887050

DATE
Dec 2012

DRAWN
SG

PAGE SIZE
841mm x 297mm

CHECKED
SD

STATUS
Final

APPROVED
JP

FIGURE 8.37
Wireframe view - BOWL & MacColl & Stevenson -
Beatrice 29.74km, 15.1˚ ; MORL MacColl 40.19km, 18.1˚ ; MORL Stevenson 35.86km, 13.6˚ ;
MORL Telford 28.81km, 16.5˚

Drawing title
Viewpoint 16: Ferry Route

N/A
29.74km
135°
19m above sea level
368249, 962203

Extent of Beatrice Offshore Wind Farm
Extent of MORL MacColl
Extent of MORL Stevenson
Extent of MORL Telford
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

© LDA Design Consulting LLP. Quality Assured to BS EN ISO 9001 : 2008

No dimensions are to be scaled from this drawing.

All dimensions are to be checked on site.

Area measurements for indicative purposes only.

Beatrice Offshore Wind Farm (including Morlindale Farm)

ISSUED BY Oxford : 01865 887050

DATE Dec 2012

DRAWN SG

PAGE SIZE 841mm x 297mm

CHECKED SD

STATUS Final

APPROVED JP

DRAFTING

Location Plan - 1:50,000 scale

View Point Information

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office.

Photo date / time: 10/12/2012 12.25

Camera & Lens: Digital SLR, 50mm

300mm

1.6m

198.4m

115.9m

Nearest turbine: 135°

19.55km

4.12m

324382,934835

Beatrice Offshore Wind Farm

FIGURE 8.38

LD A DESIGN

BEATRICE OFFSHORE WIND FARM

 INCLUDING MORLINDALE FARM

17: Lybster Harbour

FIGURE A.68

The dimensions are the actual from the surveying.

All dimensions are to be checked on site.

1/1000 Scale Overall

Site Design by LDA Design Consulting LLP

No Dimensions are to be scaled from this drawing.

All dimensions are to be checked on site.

Area measurements for indicative purposes only.

Beatrice Offshore Wind Farm

(including Morlindale Farm)

ISSUED BY Oxford: 01865 887050

DATE Dec 2012

DRAWN SG

PAGE SIZE 841mm x 297mm

CHECKED SD

STATUS Final

APPROVED JP

DRAFTING

Location Plan - 1:50,000 scale

View Point Information

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty’s Stationery Office.

Photo date / time: 10/12/2012 12.25

Camera & Lens: Digital SLR, 50mm

300mm

1.6m

198.4m

115.9m

Nearest turbine: 135°

19.55km

4.12m

324382,934835

Beatrice Offshore Wind Farm

FIGURE 8.38

LD A DESIGN

BEATRICE OFFSHORE WIND FARM

 INCLUDING MORLINDALE FARM

17: Lybster Harbour

FIGURE A.68

The dimensions are the actual from the surveying.

All dimensions are to be checked on site.

1/1000 Scale Overall

Site Design by LDA Design Consulting LLP

No Dimensions are to be scaled from this drawing.

All dimensions are to be checked on site.

Area measurements for indicative purposes only.

Beatrice Offshore Wind Farm

(including Morlindale Farm)
This wireframe is based upon Ordnance Survey data with spot heights at 50m intervals and does not precisely model small screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development.

Location Plan - 1:50,000 scale

ViewPoint information
Digital SLR, 50mm
300mm
1.6m
198.4m 115.9m
nearest turbine: 
Photo date / time: 
Camera & Lens: 
angle (width): 
Viewing Distance:
Viewer Height:
elevation (aoD):
Grid reference:
Blade tip
acelle Height:

this map is reproduced from ordnance Survey material with the permission of ordnance Survey on behalf of the Controller of Her majesty's Stationery office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Licence number 0100031673 [2012]

FIGURE 8.39
Wireframe view - BOWL & MacColl & Stevenson - Beatrice 19.55km, 42.2˚ ; MORL MacColl 34.56km, 29.1˚ ; MORL Stevenson 27.28km, 18.7˚ 
Wireframe view - BOWL & MacColl & Stevenson & Telford - Beatrice 19.55km, 42.2˚ ; MORL MacColl 34.56km, 29.1˚ ; MORL Stevenson 27.28km, 18.7˚ ; MORL Telford 31.14km, 17.6˚