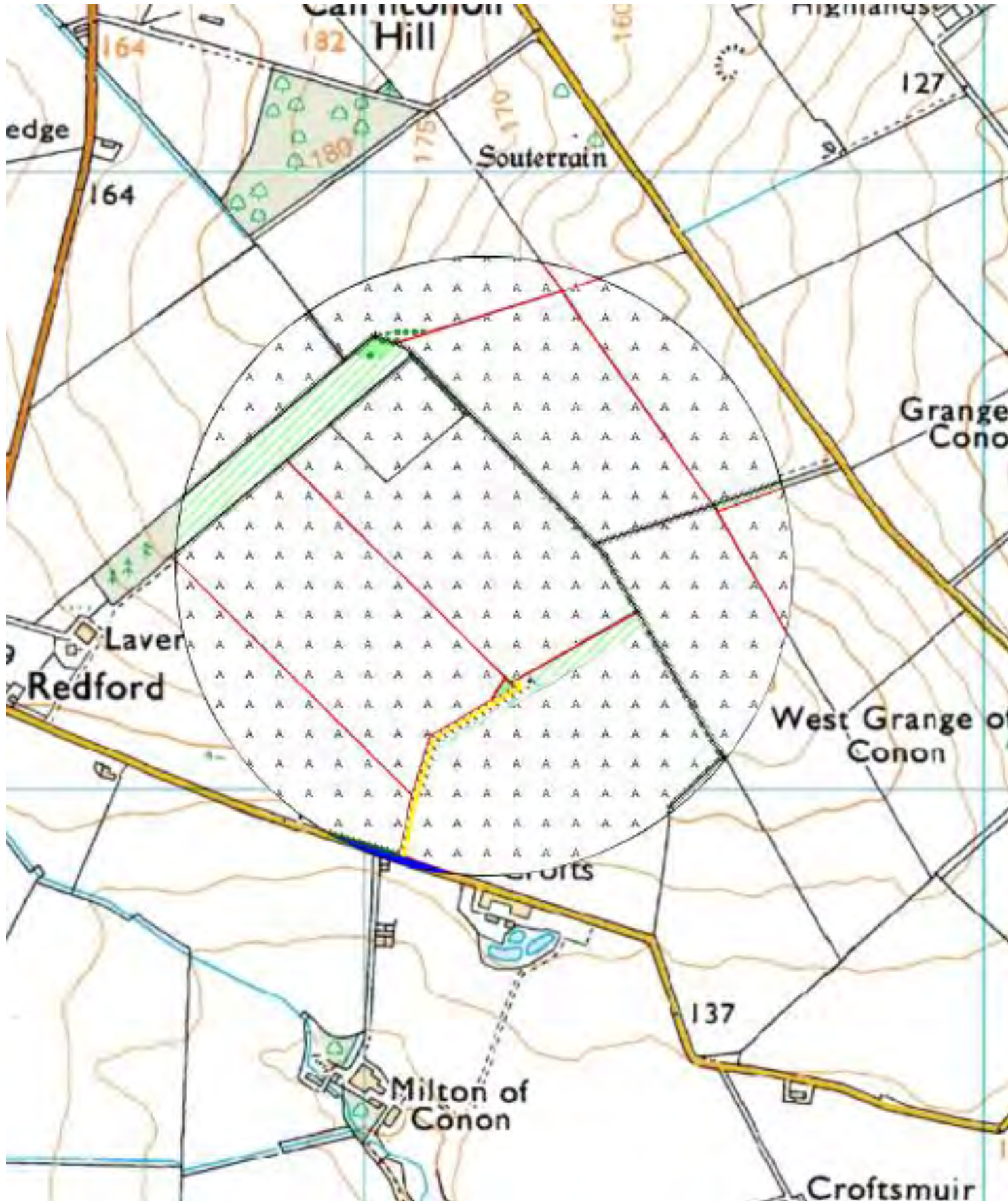


Project Name:  
Crofts Farm Wind Turbines

Document Title:  
Appendix 1 - Phase 1 Habitat Map

Scale:  
NTS



Key:

Code	Phase 1 Habitats Description
	A1.2.2 Coniferous woodland - plantation
	A1.3.1 Mixed woodland - semi-natural
	A3.1 Broadleaved scattered trees
	C3.1 Other tall herb and fern - ruderal
	J1.1 Cultivated/disturbed land - arable
	J2.6 Dry ditch
	J4 Bare farm ground
	A3.1 Broadleaved scattered trees
	J2.3.1 Hedge with trees - native species-rich
	J2.4 Fence
	J2.5 Wall
	Farm Track
	Road

Client:  
Crofts Farm Renewables Ltd

Drawing By:  
Green Cat Renewables Ltd



Version: 1.0  
Checked by: BS  
Approved by: GM  
Date: 15/01/2014



# Appendix 3 - Crofts Farm Wind Turbines

## LVIA Residential Assessment

to accompany

Crofts Farm Wind Turbines Environmental Statement

for

Crofts Farm Renewables Ltd

produced by

Green Cat Renewables Ltd.





Project Name:  
Crofts Farm Wind Turbines

Document Title:  
Residential Map 2km Radius

Scale:  
1:16,000 @ A3

Key:

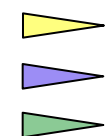
● Proposed Wind Turbine Locations

— 1 & 2km radii

Level of Effect

- Major/Moderate
- Moderate
- Moderate/Minor

Primary View Direction



Properties

- |                                  |                     |
|----------------------------------|---------------------|
| 1. Muirfield                     | 11. Laverockhall    |
| 2. Grange of Conon Farm Cottages | 12. Windyedge       |
| 3. Grange of Conon               | 13. The Whin        |
| 4. West Grange of Conon          | 14. West Cairnconon |
| 5. Crofts Farm                   | 15. Scotia House    |
| 6. Crofts Cottage                | 16. Station House   |
| 7. Ardanish                      | 17. School House    |
| 8. Coonawarra                    |                     |
| 9. Milton of Conon               |                     |
| 10. Bonnycheer                   |                     |

● Viewpoints within 2km

- |    |                            |
|----|----------------------------|
| 1. | VP02 - B961 near Newton    |
| 2. | VP16 - North of Drumyellow |
| 3. | VP17 - South of Parkconnon |
| 4. | VP18 - Redford             |

Client:  
Crofts Farm Renewables Ltd

Drawing By:  
Green Cat Renewables Ltd

Doc. No.: C0118-183/ Appendix 3

Version: 1.0

Checked by: SS

Approved by: RC

Date: 15/01/2014





**Property Name:** Muirfield

**Reference Number:** 1

**Grid Reference:** 358059, 745056

**Distance from Nearest Turbine:** 970m

**Number of Properties:** 1

**Property Orientation:** South-East

**Direction of Turbines:** South-West



South-East elevation

#### Property Description

Muirfield is situated 974m to the north-east of the proposed development. The property is a modern L-shaped bungalow with adjoining garages to the north-east of the main dwelling. The primary views from the property face over the enclosed driveway/garden area to the south-east of the property. The property is bound on all sides by a significant mature hedgerow which limits views from the property grounds over the surrounding landscape. The property is accessed via a short track shared by the nearby farm cottages from the local minor road.

#### Views from Dwelling

There are no windows on the façade of the dwelling in the direction of the property as such there will be no views of the proposed development from within the property.

#### Views from Environs

The garden is bound on all sides by a mature coniferous hedge which will offer year-round screening in the direction of the proposed development. The access to the property is via a gate to the south-east of the dwelling, in the opposite direction to the turbines. There may be some views when exiting the grounds via the access road, the turbines appearing on the horizon backdropped by the sky. The turbines would occupy a negligible to low extent of the horizontal and vertical view.

**Magnitude of Change:** Negligible

**Level of Effect:** Moderate/Minor



North-West elevation



View from garden area



Approximate boundary of domestic curtilage and line of sight from dwelling



**Property Name:** Grange of Conon Farm Cot ages

**Reference Number:** 2

**Grid Reference:** 358197, 744801

**Distance from Nearest Turbine:** 960m

**Number of Properties:** 4

**Property Orientation:** South-East

**Direction of Turbines:** West-South-West



Property 1&2 South-East elevation

**Property Description**

There are four Grange of Conon Farm Cot ages located within the land holding at Grange of Conon Farm, they are set out as two semi detached mini terraces. Cot ages 3&4 are located ~1km to the east of the proposed turbines and would receive no views of the proposed development due to the intervening farm buildings. Number 1&2 cot ages are located 955m to the east of the proposed development. The single storey farm cot ages face in a south-easterly direction with gardens to the north-west of the dwelling. The properties share the same access through the farm.

**Views from Dwelling**

Due to the orientation of the properties views from the rear windows would be extremely unlikely.

**Views from Environs**

From the rear gardens there would be open views towards the proposed turbines, the two turbines would be visible on the horizon to the west of the property. The turbines would occupy a negligible extent of the horizontal and vertical view, with the more valued views occurring to the north and east over the open landscapes beyond. The turbines would be viewed back dropped by the sky from this location.

**Magnitude of Change:** Low

**Level of Effect:** Moderate



Property 3&4 South elevation



AC42

Approximate boundary of domestic curtilage and line of sight from dwelling



**Property Name:** Grange of Conon Farm

**Reference Number:** 3

**Grid Reference:** 358150, 744618

**Distance from Nearest Turbine:** 850m

**Number of Properties:** 1

**Property Orientation:** South-West

**Direction of Turbines:** West



South-East elevation

**Property Description**

Grange of Conon Farm is situated 849m to the east of the proposed turbines. The property is a traditional stone built two storey farm house, which has been extended to the front and rear over time. The main views from the dwelling face out over the garden area to the south/south-west. The property is bound to the south-west and west by a mature coniferous hedgerow about 3m tall. To the north of the property lie a number of large farm outbuildings and sheds which form the working area of the farm. The property is accessed via a short track from the local minor road.

**Views from Dwelling**

There is a large amount of glazing on the southern façade of the dwelling, raised slightly from the garden; there may be views from this area of the property towards the turbines. The turbines would appear on the horizon, with intervening woodland features providing some screening and reducing the vertical extent of the turbines slightly. The turbines would be a fairly obvious feature although they would be located off the direct views from the dwelling, occupying a low extent of the horizontal view and a medium extent of the vertical view.

**Views from Environs**

Due to the gradient of the garden views would not be as prominent as they would be from the rear conservatory area of the dwelling, with the hedgerow providing more screening around these areas.

**Magnitude of Change:** Medium

**Level of Effect:** Major/Moderate



North-West elevation



View from garden area



Approximate boundary of domestic curtilage and line of sight from dwelling



**Property Name:** West Grange of Conon Farm

**Reference Number:** 4

**Grid Reference:** 358108, 744064

**Distance from Nearest Turbine:** 860m

**Number of Properties:** 1

**Property Orientation:** South-West

**Direction of Turbines:** North-West



South-West elevation

**Property Description**

West Grange of Conon Farm is situated 858m to the south-east of the proposed turbines. The property is a one and a half storey farm house, which has been extended to the front and rear. The main views from the dwelling face out over the garden area to the south/south-west/west. The property is bound around the garden edges by maturing trees and other vegetation. To the north and north-east of the property lie a number of large farm outbuildings and sheds which form the working area of the farm. The property is accessed via a short track from the local minor road.

**Views from Dwelling**

There are no views predicted from within the dwelling due to the low lying nature of the majority of the property in relation to the surrounding screening features which would limit any potential views.

**Views from Environs**

There may be some visibility from the southern edges of the garden where it would be possible to view the turbines beyond the surrounding vegetation. Where views do occur the turbines would appear on the horizon, viewed against the sky. The intervening landscape would screen the lower tower sections reducing the vertical extents of the proposed development while the turbines appear well balanced occupying a low extent of the horizontal view.

**Magnitude of Change:** Low

**Level of Effect:** Moderate



View from garden area

AC42



Approximate boundary of domestic curtilage and line of sight from dwelling



Property Name: Crof s Farm

Reference Number: 5

Grid Reference: 357212, 743798

Distance from Nearest Turbine: 630m

Number of Properties: 1

Property Orientation: South

Direction of Turbines: North



North elevation

#### Property Description

Crof s Farm house is situated 627m to the south of the proposed development. The property is a traditional two storey whitewashed farm house. The main views from the property face to the south overlooking the garden and towards the coast from this location. The property is incorporated as part of the working Crof s Farm and significant outbuildings are located to the north of the dwelling. The front of the property overlooks the internal farm courtyard between the outbuildings and the main dwelling. The property is accessed via a short track from the local minor road.

#### Views from Dwelling

There are no views predicted from the dwelling, the built features to the north would completely screen any views of the turbines.

#### Views from Environs

The garden area is located to the south of the dwelling the property itself would screen any potential views from this location.

Magnitude of Change: Negligible

Level of Effect: Moderate/Minor



Approximate boundary of domestic curtilage and line of sight from dwelling



Property Name: Crof s Bungalow

Reference Number: 6

Grid Reference: 357039, 743870

Distance from Nearest Turbine: 620m

Number of Properties: 1

Property Orientation: South

Direction of Turbines: North-North-East



South elevation

#### Property Description

This property is situated 615m to the south of the proposed turbines. The dwelling is a modern L-shaped bungalow built in a traditional style. The main views from the property face to the south from the glazed conservatory to the rear of the building. There is a small internal courtyard between the garage and the northern façade of the dwelling. The property is set back from the local road which also serves as access and is bound to the north by a small stone wall, while maturing vegetation bounds the garden to the rear.

#### Views from Dwelling

Views are not predicted to be significant from the property. There are two small windows on the northern façade which overlook the driveway. There may be some views possible from these towards one of the turbines while the other would be screened by the intervening garage building.

#### Views from Environs

The garden area is located to the south of the dwelling the property itself would screen any potential views from this location.

Magnitude of Change: Low

Level of Effect: Moderate



North elevation



Approximate boundary of domestic curtilage and line of sight from dwelling



**Property Name:** Ardalanish and Coonawara

**Reference Number:** 7&8

**Grid Reference:** 357030, 743768

**Distance from Nearest Turbine:** 710m

**Number of Properties:** 2

**Property Orientation:** South

**Direction of Turbines:** North-North-East



Coonawara North elevation

**Property Description**

These properties are located further south on the same access road as Crof's bungalow to the north ~711m to the south of the proposed turbines. Both properties are single storey traditional built farm cottages that have been extended over time. The main views from each property face to the south, with outbuildings located directly to the north of each house containing the garages. The garden areas to the south of each property are bound by a maturing hedgerow. Access is via a short track from the local minor road.

**Views from Dwelling**

Views are not predicted from within the dwellings with the intervening features combining to limit any potential views of the turbines.

**Views from Environs**

The garden areas are located to the south of the dwellings. The properties themselves would screen any potential views from this location. There may be some oblique views from the driveway areas to the north of each property where the turbines would be visible on the horizon.

**Magnitude of Change:** Low

**Level of Effect:** Moderate



Approximate boundary of domestic curtilage and line of sight from dwelling



Ardalanish North elevation



View North looking towards site



**Property Name:** Milton of Conon

**Reference Number:** 9

**Grid Reference:** 357009, 743541

**Distance from Nearest Turbine:** 930m

**Number of Properties:** 3

**Property Orientation:** South

**Direction of Turbines:** North-North-East



Property 1 North-East elevation

**Property Description**

This cluster of properties is made up of the original Milton of Conon dwelling and two new properties which sit to the north and east of the original dwelling. The properties are accessed via a short driveway from the local minor road. The original dwelling is a traditional two storey farmhouse, which has been extended over time. The new build property to the north is a modern bungalow, while the third property is a modern one and a half storey detached dwelling. Each property is set within its own grounds with a small garden area predominantly to the south of each property.

**Views from Dwelling**

Views are not predicted from within the dwellings the intervening features combining to limit any potential views of the turbines.

**Views from Environs**

The garden areas of properties 2 & 3 are located to the south of the dwellings. The properties themselves would screen any potential views from this location.

**Magnitude of Change:** Negligible

**Level of Effect:** Moderate/Minor



AC42



Property 2 North-East elevation



Property 3 North-East elevation

Approximate boundary of domestic curtilage and line of sight from dwelling



**Property Name:** Bonnycheer

**Reference Number:** 10

**Grid Reference:** 356601, 744024

**Distance from Nearest Turbine:** 790m

**Number of Properties:** 1

**Property Orientation:** South

**Direction of Turbines:** North-East



North elevation

**Property Description**

The property is situated ~793m to the south-west of the proposed turbines. The dwelling is a single storey traditional farm cottage. The main views from the property face to the south over the open fields. There are windows on the northern façade overlooking the driveway. The property is bounded to north by a band of mature coniferous shelterbelt. The property is set back from the local minor road which also serves as access to the property.

**Views from Dwelling**

Views are not predicted from within the dwelling with the intervening features combining to limit any potential views of the turbines.

**Views from Environs**

The garden area is located to the south of the dwelling, so potential views would be restricted by the property itself. From the front, views are heavily screened by a shelterbelt which provides a buffer between the property and the local road. Views may occur on the approach to the property, where oblique views would be possible for a short time. The turbines would be viewed against the sky, with the shelterbelts which surround the site providing a great deal of screening, limiting potential views.

**Magnitude of Change:** Low

**Level of Effect:** Moderate



Approximate boundary of domestic curtilage and line of sight from dwelling

**Property Name:** Laverockhall

**Reference Number:** 11

**Grid Reference:** 356434, 744140

**Distance from Nearest Turbine:** 730m

**Number of Properties:** 1

**Property Orientation:** South

**Direction of Turbines:** North-East



East elevation

#### Property Description

The property is situated ~862m to the south-west of the proposed turbines. The dwelling is a traditional built two storey farmhouse. The primary viewing direction is to the south, overlooking the garden area in the same direction. To the north-east of the main property there are a number of significant farm outbuildings, located on the opposite side of the internal courtyard that the northern façade windows overlook. The property is bound by a row of mature hedging which wraps the southern boundary, while the east and west boundaries are marked by clusters of mature trees.

#### Views from Dwelling

The intervening built features would screen any potential views from within the dwelling.

#### Views from Environs

The majority of the garden area would remain screened from potential views by the intervening property and other screening features such as the outbuildings. There may be some potential views from the eastern edges of the garden during the winter months when leaf cover is less. From these areas the turbines would be viewed on the horizon, back dropped by the sky. The turbines would occupy a moderate extent of the horizontal and vertical view from this area of the garden.

**Magnitude of Change:** Low

**Level of Effect:** Moderate



Approximate boundary of domestic curtilage and line of sight from dwelling



**Property Name:** Windyedge

**Reference Number:** 12

**Grid Reference:** 356597, 745042

**Distance from Nearest Turbine:** 770m

**Number of Properties:** 1

**Property Orientation:** South

**Direction of Turbines:** South-East



South elevation

#### Property Description

The property is situated -767m to the north-west of the proposed turbines. The dwelling is a traditional stone built one storey cottage. The main views from the property face to the south, overlooking the garden area which sits on this side of the property. To the east of the main dwelling there is a large wooden outbuilding, as well as a static caravan which is located on the eastern boundary of the garden. The property is set back from the B961 which runs to the west and serves as access.

#### Views from Dwelling

There are no windows on the eastern façade of the dwelling; as such there would be no views of the proposed turbines from within the house.

#### Views from Environs

Views would occur from the garden areas to the south of the main property. The turbines would appear on the horizon, viewed completely against the sky. There are some features located at the property boundary which would screen the views of the turbines, including the caravan and outbuildings, reducing the visible extents of the turbine. The primary views from the garden area face to the south, away from the proposed development over the more open landscape in this direction.

**Magnitude of Change:** Low

**Level of Effect:** Moderate



Approximate boundary of domestic curtilage and line of sight from dwelling

**Property Name:** The Whin

**Reference Number:** 13

**Grid Reference:** 356542, 745223

**Distance from Nearest Turbine:** 930m

**Number of Properties:** 1

**Property Orientation:** South

**Direction of Turbines:** South-East



East elevation

### Property Description

The property is situated ~930m to the north-west of the proposed turbines. The dwelling is a traditional stone built one storey cottage. The main views from the property face to the south, overlooking the garden area which sits on this side of the property. The property is bound by a significant, mature hedgerow which encloses the garden and also cuts the property off from the nearby B961 which passes to the east of the house.

### Views from Dwelling

There are no direct views predicted from within the property with the main windows facing out to the south. There are two windows on the eastern façade of the property which overlook the road and may experience some views of the proposed turbines. From this location the turbines would appear one in front of the other and would be partially screened by the intervening landscape, limiting the vertical extents of the development. The turbines would occupy a low extent of both the horizontal and vertical view.

### Views from Environs

Similar to the views from the eastern side of the property, the views where they occur within the garden area would see the turbines viewed together, occupying a negligible extent of the wider view. The hedgerow would provide some screening from within the garden, with views only expected to occur from the western side of the garden, where it is possible to look over the landscape beyond the hedging.

**Magnitude of Change:** Low

**Level of Effect:** Moderate

AC42



Approximate boundary of domestic curtilage and line of sight from dwelling



**Property Name:** West Cairnconon

**Reference Number:** 14

**Grid Reference:** 356755, 745244

**Distance from Nearest Turbine:** 810m

**Number of Properties:** 1

**Property Orientation:** South

**Direction of Turbines:** South-East



South elevation

### Property Description

The property is situated ~814m to the north-west of the proposed turbines. The dwelling is a modern build L-shaped bungalow. The primary views from the property overlook the significant garden area, located on the southern side of the dwelling. The property is bound around the edges of the garden by maturing clusters of trees and other vegetation. The property is accessed via a short track which runs from the nearby B961.

### Views from Dwelling

There are no views predicted from within the property, the intervening vegetation, including the significant shelterbelt near the site would completely screen any views from within the property.

### Views from Environs

Views from the garden area are also predicted to be screened, with intervening woodland limiting potential views. There may be some views when travelling the access road. These would be oblique to the road user and occur for ~150m, with the turbines viewed on the horizon, before disappearing behind the tree line.

**Magnitude of Change:** Negligible

**Level of Effect:** Moderate/Minor



View from garden looking towards site



Approximate boundary of domestic curtilage and line of sight from dwelling

Property Name: Scot a House

Reference Number: 15

Grid Reference: 357041, 745133

Distance from Nearest Turbine: 600m

Number of Properties: 1

Property Orientation: South

Direction of Turbines: South-South-East



South elevation

**Property Description**

The property is situated ~595m to the north-north-west of the proposed turbines. The property is a modern build T-shaped one and a half storey dwelling with a detached garage to the east of the main house. The primary views from the dwelling occur to the north, with open views possible over the nearby Strathmore Valley. To the south of the property the neighbouring woodland limits and encloses the view. The property shares an access track with the neighbouring property at West Cairnconon.

**Views from Dwelling**

The nearby woodland would screen any potential views of the proposed development from within the dwelling.

**Views from Environs**

The neighbouring woodland would screen views from the garden area to the south of the house, with the primary views occurring on the northern side of the house, over the open landscape. Similar to West Cairnconon, there may be some views from the access road, however, these would be oblique and are likely to occur for ~150m.

Magnitude of Change: Negligible

Level of Effect: Moderate/Minor



View from garden looking towards site



Approximate boundary of domestic curtilage and line of sight from dwelling



Property Name: Stat on House

Reference Number: 16

Grid Reference: 356390, 744416

Distance from Nearest Turbine: 810m

Number of Properties: 1

Property Orientation: South

Direction of Turbines: East-North-East



South elevation

#### Property Description

The property is situated ~811m to the west-south-west of the proposed turbines. The property is a traditional bungalow. The primary views from the dwelling occur on the southern and western façades, overlooking the large garden area which wraps around the south and western areas of the property. The property boundary is marked by a stone wall, while a line of mature hedgerow runs between the property and the nearby B961.

#### Views from Dwelling

There are no views predicted to occur from within the dwelling. The hedge which screens the property from views of the nearby road would provide significant screening to the east in the direction of the proposed development.

#### Views from Environs

There would be some views predicted from within the garden area, looking eastwards towards the proposed turbines. These would be extremely limited by a band of mature shelterbelt woodland which runs along the ridge in the field adjacent to the neighbouring B961. The shelterbelt would provide significant screening of both turbines, with only the blade of one turbine visible over the tree line. In wintering months when the foliage is thinner there may be more of the turbines visible, however, the dense make up of the woodland would still offer a significant amount of screening.

Magnitude of Change: Low

Level of Effect: Moderate



Approximate boundary of domestic curtilage and line of sight from dwelling

**Property Name:** School House

**Reference Number:** 17

**Grid Reference:** 356378, 744450

**Distance from Nearest Turbine:** 820m

**Number of Properties:** 1

**Property Orientation:** South

**Direction of Turbines:** East

---

#### **Property Description**

The property is situated ~818m to the west of the proposed turbines. The property is a traditional stone built two storey dwelling set back from the B961, neighbouring the Carmyllie Primary School. The property is bound on all sides by a band of mature trees which enclose the dwelling and the surrounding garden area to the south and west.

#### **Views from Dwelling**

The surrounding band of shelterbelt woodland, combined with the nearby shelterbelt woodland to the east would completely screen any potential views of the proposed development.

#### **Views from Environs**

There are no views predicted from the main garden areas to the south and west of the property, the woodland screening at the property edge would limit potential views, while the intervening shelterbelt in the adjacent field further limits views to the blade of one turbine. It is unlikely even during wintering months that there will be significant views of the development from the areas surrounding this property.

**Magnitude of Change:** Negligible

**Level of Effect:** Moderate/Minor



Approximate boundary of domestic curtilage and line of sight from dwelling



# Appendix 4 - Crofts Farm Wind Turbines Heritage Figures

to accompany

**Crofts Farm Wind Turbines Environmental Statement**

**Chapter 9: Cultural Heritage/ Archaeology**

for

**Crofts Farm Renewables Ltd**

produced by

**Green Cat Renewables Ltd.**



# Crofts Farm Wind Cluster Cultural Heritage Figures

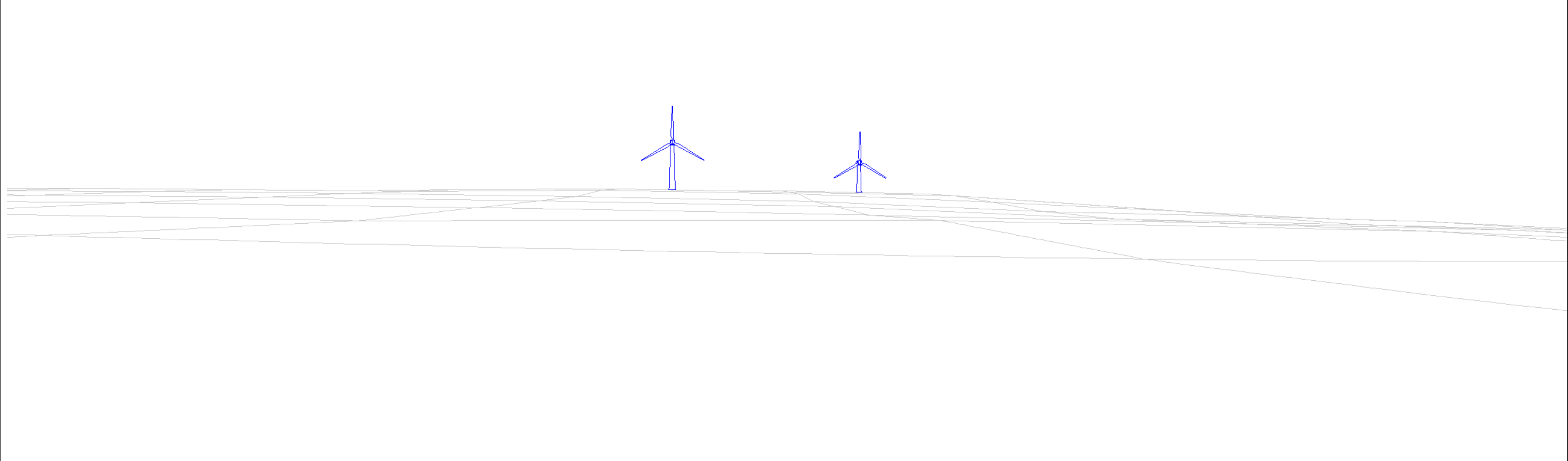
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WL – 9.1: Carmyllie East Parish School (LB 1)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76



Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Carmyllie East Parish School (LB 1)</b>

Location:	<b>E356401 N744518</b>
Elevation:	<b>156m (A.O.D)</b>
View Direction:	<b>92.9</b>
Distance:	<b>0.8km</b>

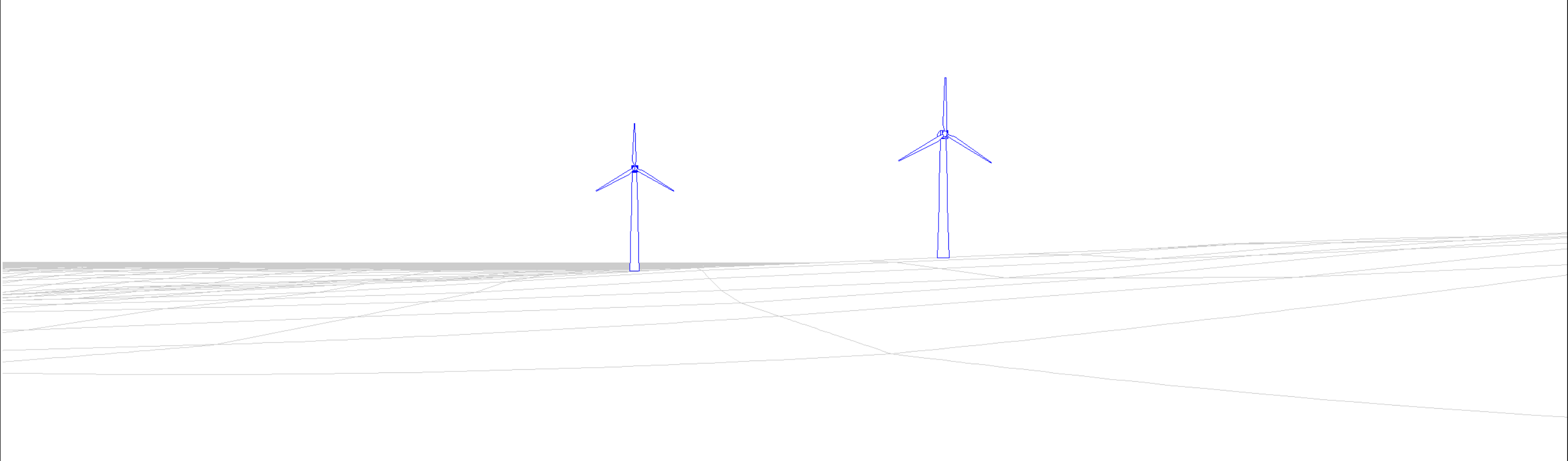
<b>Sensitivity:</b> Medium
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Negligible

Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



WL – 9.2: Earth House, Cairn Connan (LB 2)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76



Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Earth House, Cairn Connan (LB 2)</b>

Location:	<b>E357310 N745051</b>
Elevation:	<b>162m (A.O.D)</b>
View Direction:	<b>186.0</b>
Distance:	<b>0.5km</b>

<b>Sensitivity:</b> Medium
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Negligible

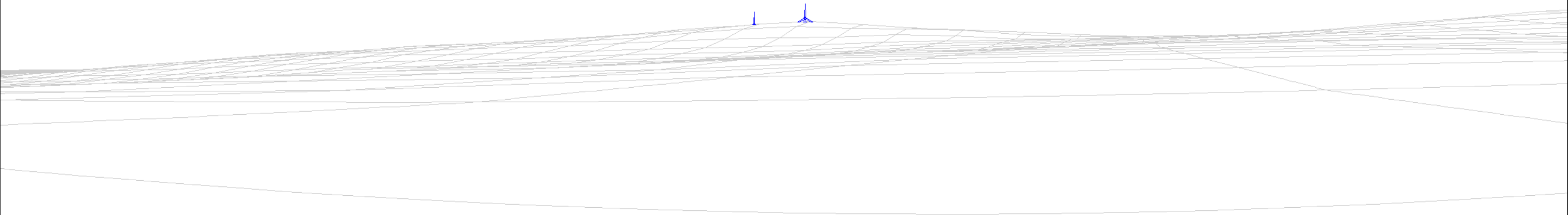
Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013





Viewing Distance: c. 300mm  
Field of View: 76

WL – 9.3: Connansyth Farmhouse (LB 3)  
a) Wireline




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Connansyth Farmhouse (LB 3)</b>

Location:	<b>E356661 N746464</b>
Elevation:	<b>141m (A.O.D)</b>
View Direction:	<b>163.5</b>
Distance:	<b>1.9 km</b>

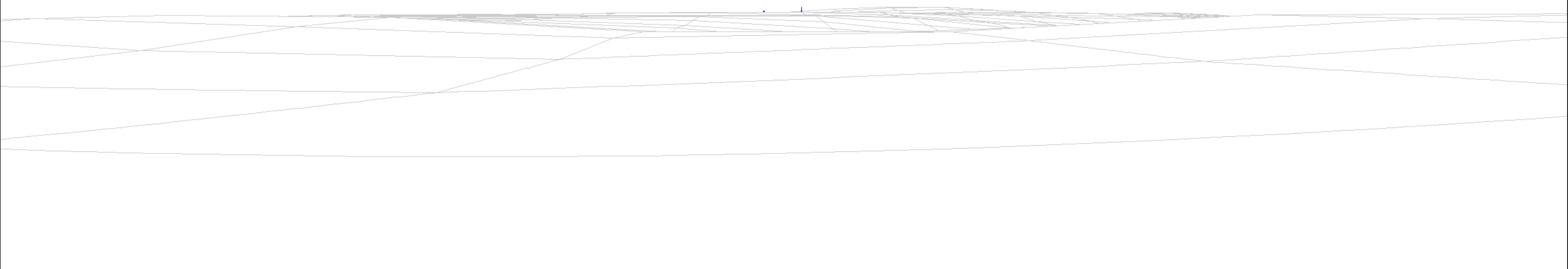
<b>Sensitivity:</b> Medium
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Negligible

Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



WL – 9.4: Gardyne Castle (LB 4)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Gardyne Castle (LB4)</b>

Location:	<b>E357380 N748824</b>
Elevation:	<b>61m (A.O.D)</b>
View Direction:	<b>181.7</b>
Distance:	<b>4.3 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

--

Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013

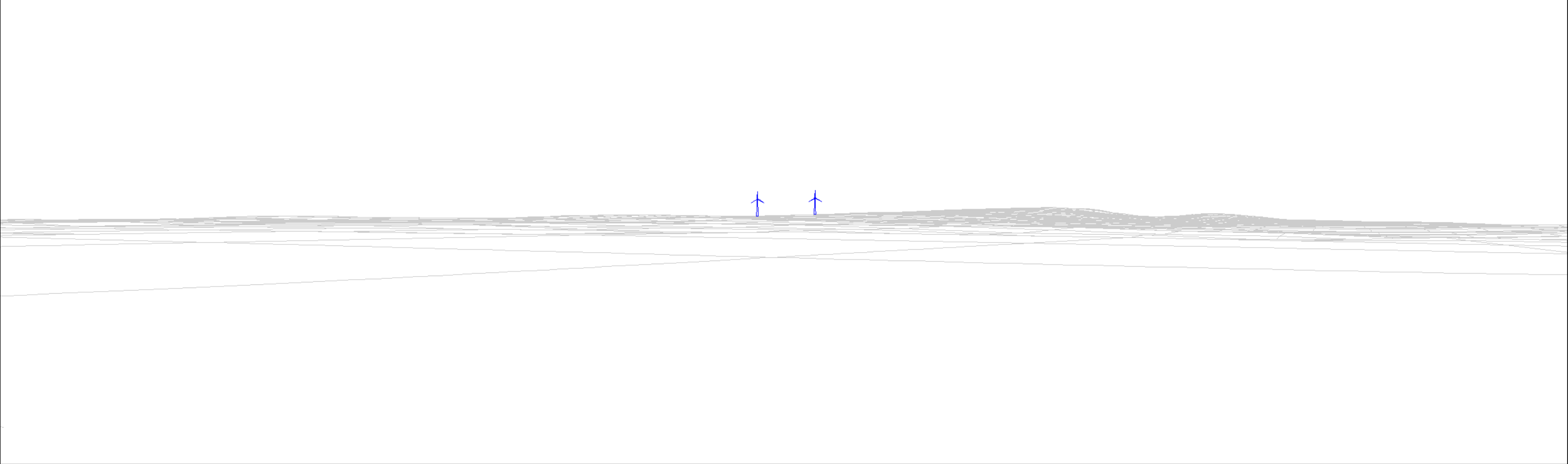






WL – 9.6: West Mains of Colliston (SAM 2)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76



Project:	<b>Crofts Farm</b>
Viewpoint:	<b>West Mains of Colliston (SAM 2)</b>

Location:	<b>E360655 N746229</b>
Elevation:	<b>45m (A.O.D)</b>
View Direction:	<b>242.8</b>
Distance:	<b>3.8 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

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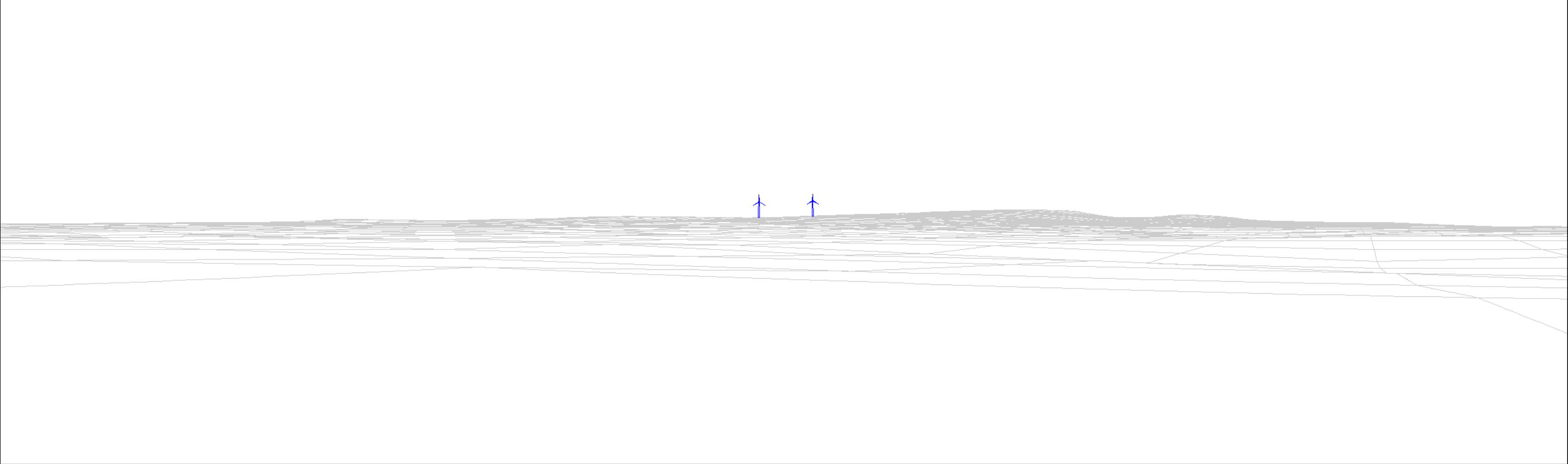
Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013





WL – 9.7: Colliston Castle (SAM 3)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Colliston Castle (SAM 3)</b>

Location:	<b>E360899 N746395</b>
Elevation:	<b>42m (A.O.D)</b>
View Direction:	<b>242.2</b>
Distance:	<b>4.0 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

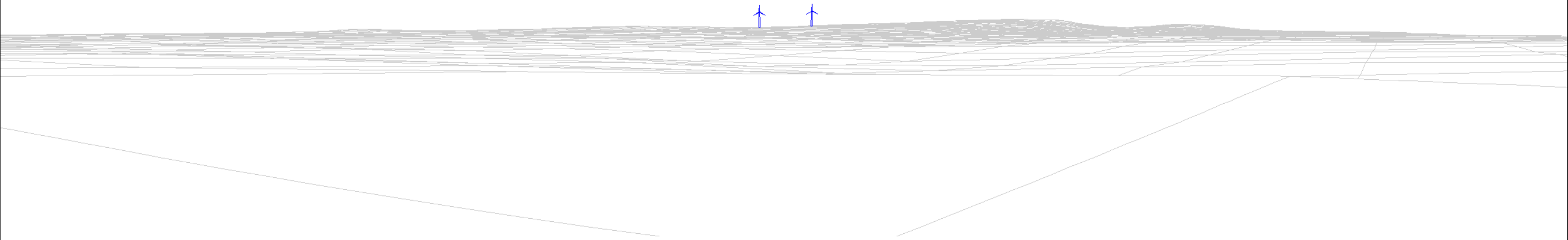
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Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



Viewing Distance: c. 300mm  
Field of View: 76

WL – 9.8: Newton of Boysack (SAM 4)  
a) Wireline

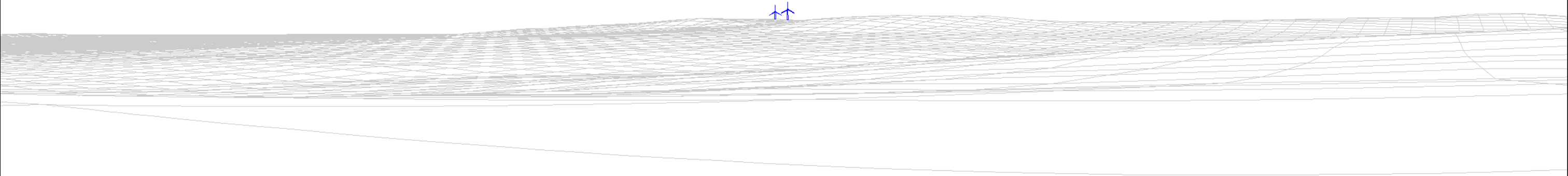


Project: <b>Crofts Farm</b>	Location: <b>E360960 N746555</b> Elevation: <b>40m (A.O.D)</b>	<b>Sensitivity:</b> High <b>Magnitude:</b> Negligible		Doc. No.: C0119-183WL9.1 Version: 1.0 Author: RD
Viewpoint: <b>Newton of Boysack (SAM 4)</b>	View Direction: <b>240.7</b> Distance: <b>4.2 km</b>	<b>Overall Impact:</b> Low		Checked by: RS Approved by: GM Date: 08/08/2013



Viewing Distance: c. 300mm  
Field of View: 76

WL – 9.9: Dumbarrow Hill, Fort (SAM 5)  
a) Wireline




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Dumbarrow Hill, Fort ( SAM 5)</b>

Location:	<b>E355162 N747916</b>
Elevation:	<b>160m (A.O.D)</b>
View Direction:	<b>148.8</b>
Distance:	<b>3.9 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

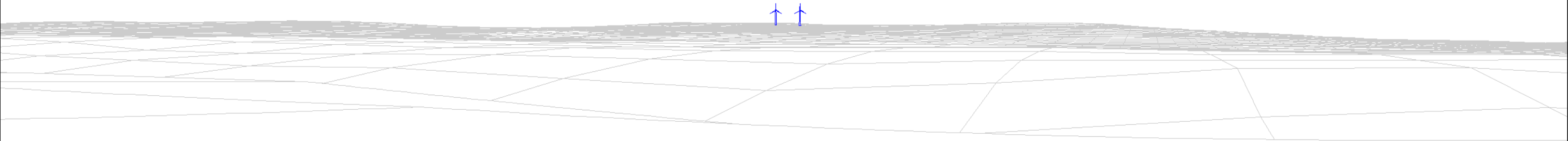
Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013





Viewing Distance: c. 300mm  
Field of View: 76

WL – 9.10: Kellyfield (SAM 6)  
a) Wireline




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Kellyfield (SAM 6)</b>

Location:	<b>E358531 N740406</b>
Elevation:	<b>84m (A.O.D)</b>
View Direction:	<b>342.5</b>
Distance:	<b>4.2 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

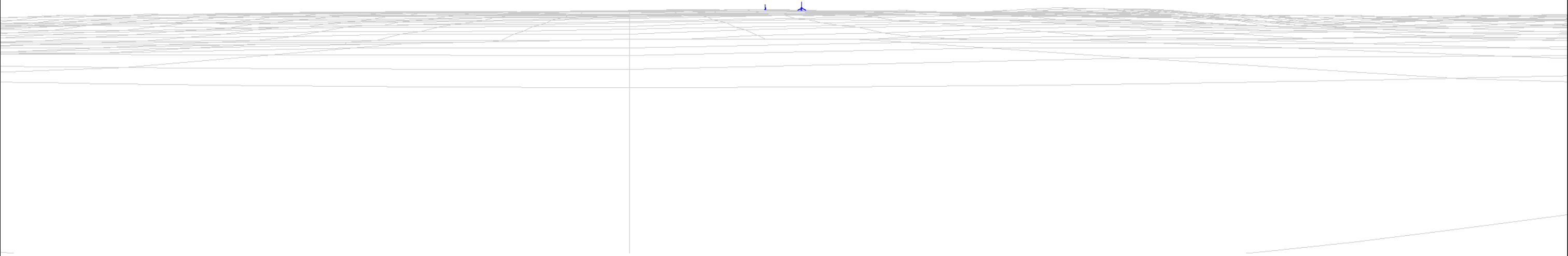
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Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



WL – 9.11: Damside Cottages, Pit Circle (SAM 7)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76




Project: <b>Crofts Farm</b>
Viewpoint: <b>Damside Cottages, Pit Circle (SAM 7)</b>

Location:	<b>E357900 N749410</b>
Elevation:	<b>46m (A.O.D)</b>
View Direction:	<b>187.5</b>
Distance:	<b>4.9 km</b>

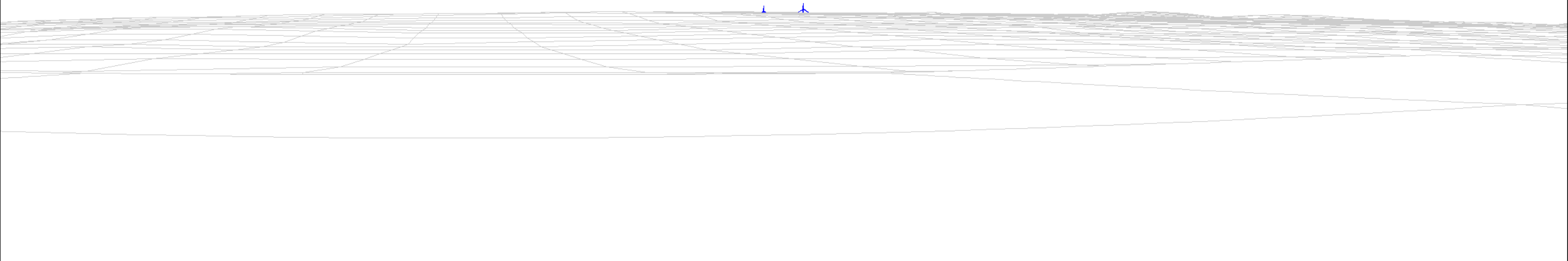
<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



Viewing Distance: c. 300mm  
Field of View: 76

WL – 9.12: Froick Mains, Settlement (SAM 8)  
a) Wireline




Project: <b>Crofts Farm</b>
Viewpoint: <b>Froick Mains, Settlement (SAM 8)</b>

Location:	<b>E358576 N749321</b>
Elevation:	<b>49m (A.O.D)</b>
View Direction:	<b>195.3</b>
Distance:	<b>4.9 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

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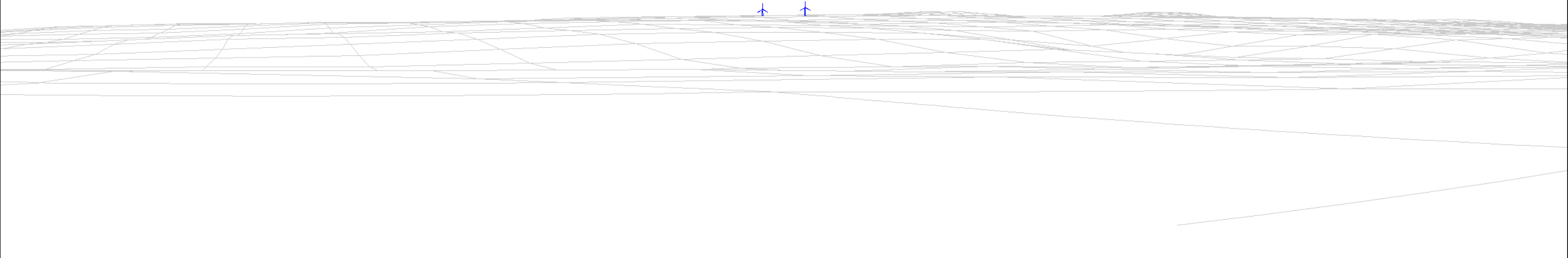
Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013





Viewing Distance: c. 300mm  
Field of View: 76

WL – 9.13: Cairn Knap (SAM 9)  
a) Wireline




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>Cairn Knap (SAM 9)</b>

Location:	<b>E359327 N749061</b>
Elevation:	<b>54m (A.O.D)</b>
View Direction:	<b>204.4</b>
Distance:	<b>4.9 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

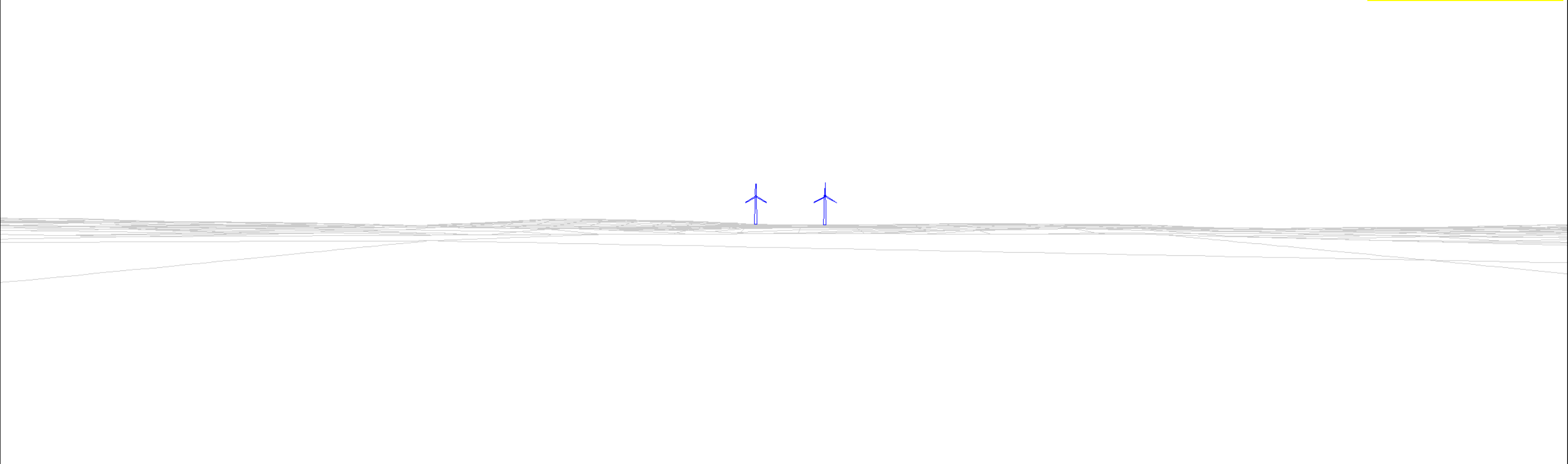
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Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



WL – 9.14: The Guynd (GDL 1- north)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>The Guynd (GDL 1- north)</b>

Location:	<b>E357319 N742245</b>
Elevation:	<b>108m (A.O.D)</b>
View Direction:	<b>358.2</b>
Distance:	<b>2.2 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

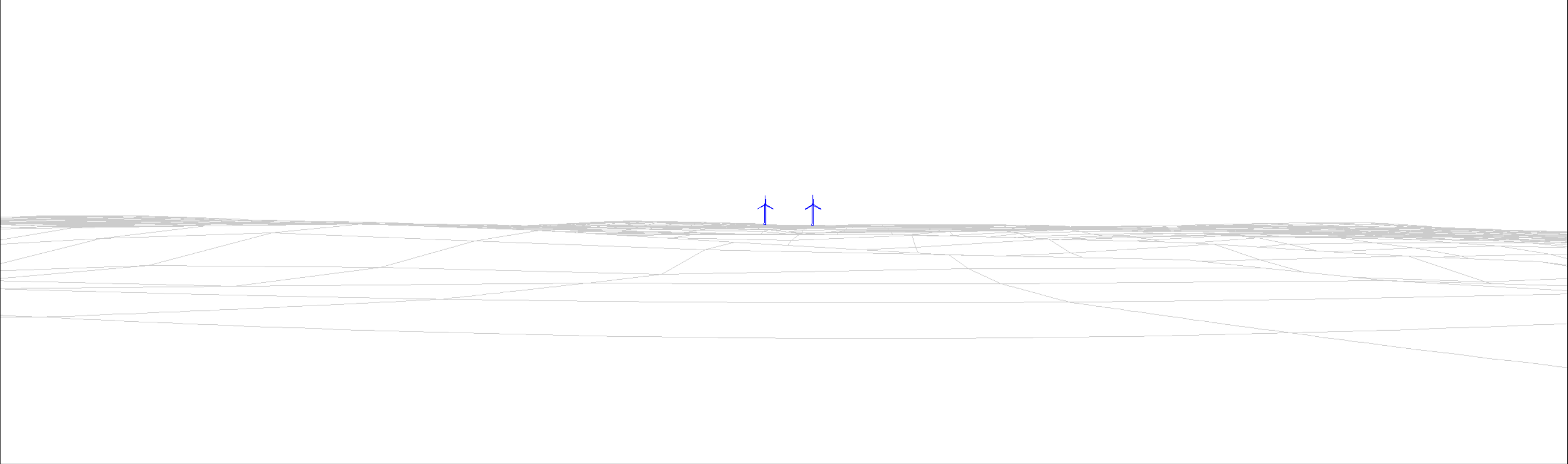
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Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



WL – 9.15: The Guynd (GDL 1 south)  
a) Wireline

Viewing Distance: c. 300mm  
Field of View: 76




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>The Guynd (GDL 1 south)</b>

Location:	<b>E357485 N741409</b>
Elevation:	<b>92m (A.O.D)</b>
View Direction:	<b>355.6</b>
Distance:	<b>3.0 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

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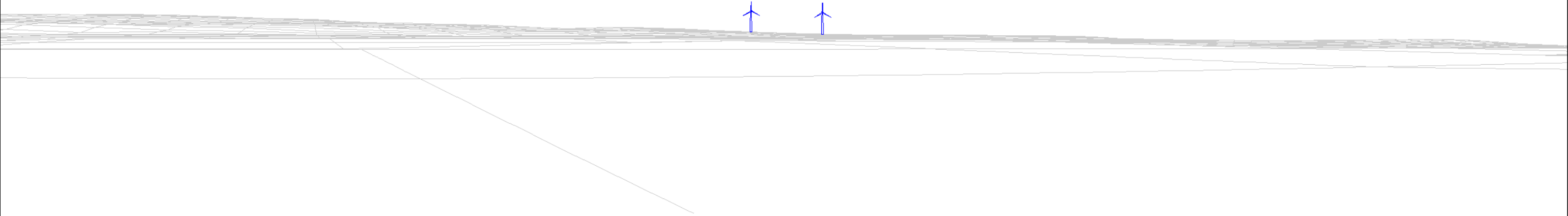
Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013





Viewing Distance: c. 300mm  
Field of View: 76

WL – 9.16: The Guynd (GDL 1 - west)  
a) Wireline




Project:	<b>Crofts Farm</b>
Viewpoint:	<b>The Guynd (GDL 1 -west)</b>

Location:	<b>E356096 N741757</b>
Elevation:	<b>120m (A.O.D)</b>
View Direction:	<b>23.0</b>
Distance:	<b>2.9 km</b>

<b>Sensitivity:</b> High
<b>Magnitude:</b> Negligible
<b>Overall Impact:</b> Low

--

Doc. No.:	C0119-183WL9.1
Version:	1.0
Author:	RD
Checked by:	RS
Approved by:	GM
Date:	08/08/2013



Viewing Distance: c. 300mm  
Field of View: 76

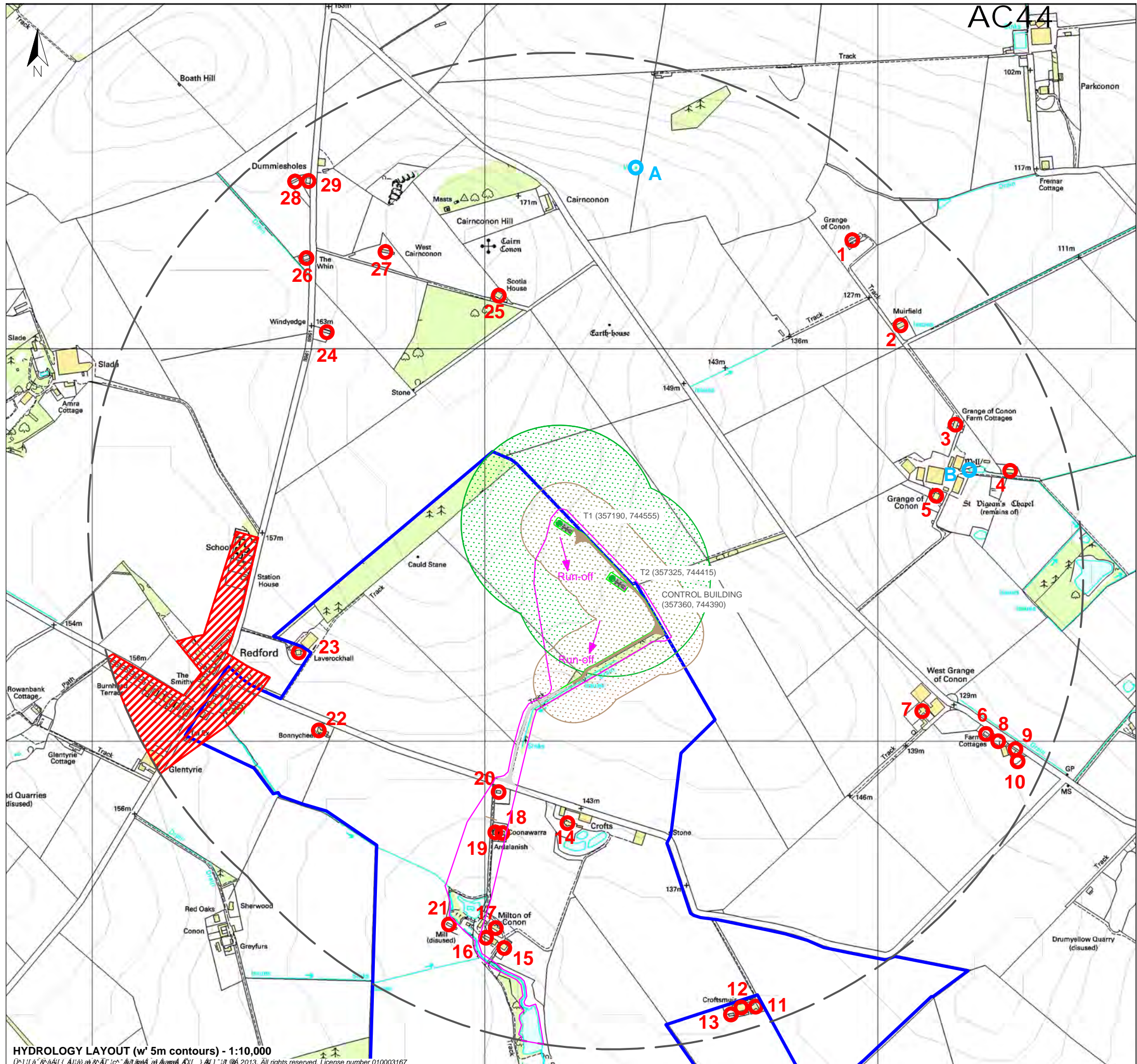
WL – 9.17: The Guynd (GDL 1 east)  
a) Wireline



Project: <b>Crofts Farm</b>	Location: <b>E357678 N741884</b> Elevation: <b>89m (A.O.D)</b>	<b>Sensitivity:</b> High <b>Magnitude:</b> Negligible		Doc. No.: C0119-183WL9.1 Version: 1.0 Author: RD
Viewpoint: <b>The Guynd (GDL 1 east)</b>	View Direction: <b>350.6</b> Distance: <b>2.6 km</b>	<b>Overall Impact:</b> Low		Checked by: RS Approved by: GM Date: 08/08/2013





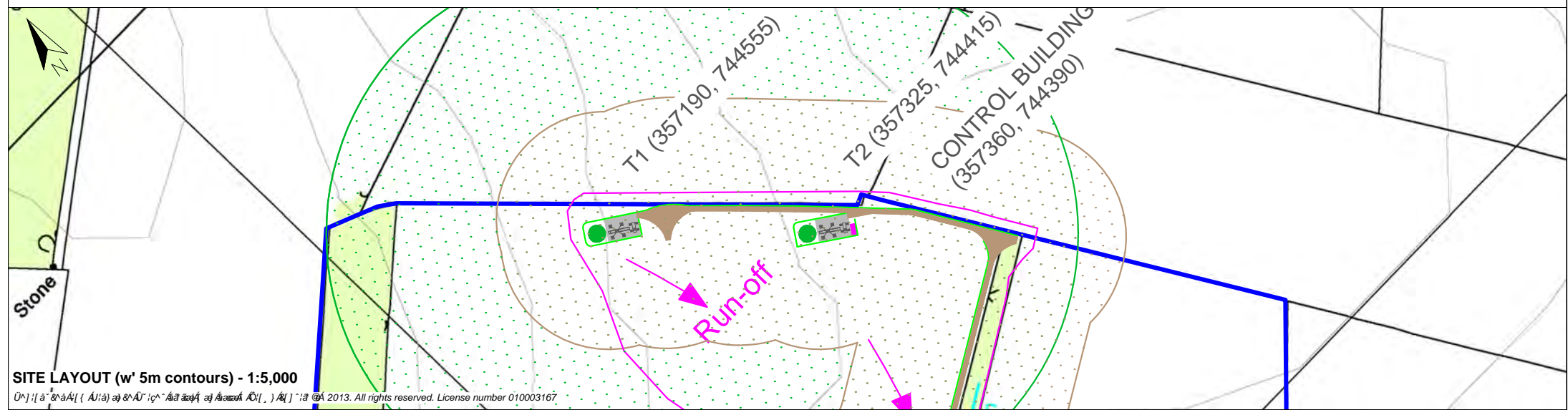


**HYDROLOGY LAYOUT (w' 5m contours) - 1:10,000**

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**KEY**

- SURFACE WATER DRAINAGE SYSTEM
- SURFACE WATER RISK AREA OF CATCHMENT
- LAND OWNERSHIP BOUNDARY
- 1.2km STUDY BOUNDARY
- REDFORD SETTLEMENT
- PROPERTY WITHIN 1.2km STUDY BOUNDARY
- WELL
- 250m DEWATERING ZONE OF INFLUENCE
- 100m BOUNDARY AROUND ACCESS TRACK & CABLE TRENCH
- PROPOSED TURBINE / FOUNDATION
- HARDSTANDING
- NEW ACCESS TRACK
- UPGRADED ACCESS TRACK
- CONTROL BUILDING



**SITE LAYOUT (w' 5m contours) - 1:5,000**

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<b>Project Title:</b> CROFTS FARM WIND TURBINES	Date drawn:	12.08.13	Rev.	Date	Chk'd	Client:	<b>GREEN CAT RENEWABLES LTD</b> Midlothian Innovation Centre, Pentlandsfield, Edinburgh, EH25 9RE. Tel:0131 440 9053 <a href="http://www.greencatrenewables.co.uk">www.greencatrenewables.co.uk</a>
	Drawn by:	QA	-	-	-		
<b>Drawing Title:</b> HYDROLOGICAL CONTEXT OF SITE	Checked by:	GM	-	-	-		
	Approved by:	GM	-	-	-		
<b>Job No.</b> C0118-183	<b>Drawing No.</b> FIGURE 10.1	<b>Scale:</b> AS STATED					