

Environmental Impact Assessment Report
Proposed Meenbog Wind Farm, Co. Donegal

Volume 2

Photomontage Layouts

STEPHENSON HALLIDAY
IRELAND
ENVIRONMENTAL AND LANDSCAPE PLANNING

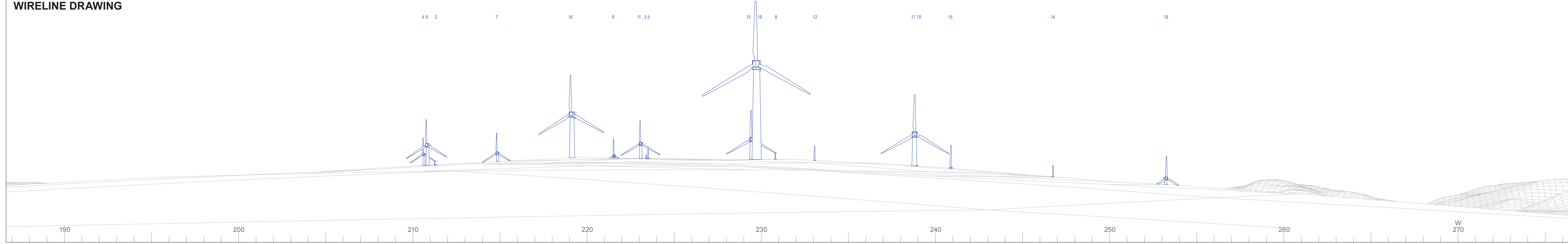




BASELINE PHOTOGRAPH

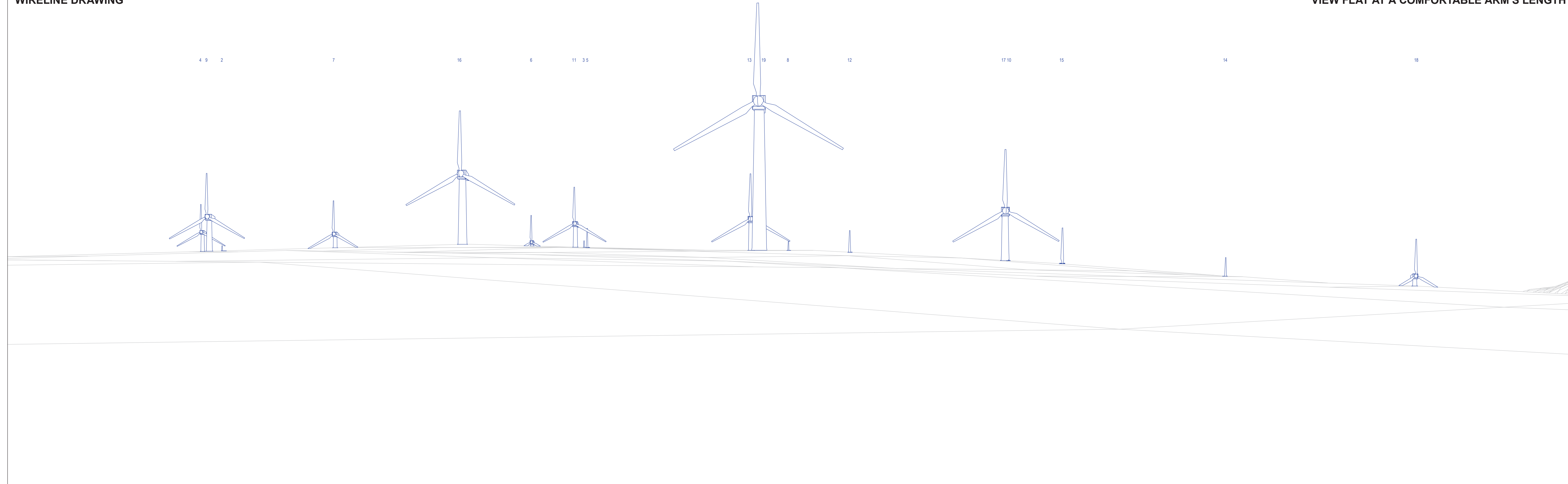
THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

WIRELINE DRAWING



<p>Date DEC 2017</p> <p>Image Size 820 x 130mm</p> <p>Paper Size 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By JS</p> <p>QA TC / KA</p> <p>Rev -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 609817E 887794N</p> <p>Ground Height: 150m AOD</p> <p>Direction of Centre of View: ³ 234°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Canon EOS 5D</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 21/09/2017</p> <p>Photography Time: 13:56</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T19 @ 909m</p> <p>Number of Sets of Tips Visible: ² 18</p> <p>Number of Hubs Visible: ² 10</p>	<p>Wireline Key:</p> <p>Meenbog Wind Farm</p>
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Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 609817E 887794N
 Ground Height: 150m AOD
 Direction of Centre of View: 3 234°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Canon EOS 5D
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 21/09/2017
 Photography Time: 13:56

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 909m
 Number of Sets of Tips Visible: 2 18
 Number of Hubs Visible: 2 10

Wireline Key:
 Meenbog Wind Farm




Meenbog Wind Farm
Viewpoint 1: View from Meenbog
WIRELINE VISUALISATION 1b



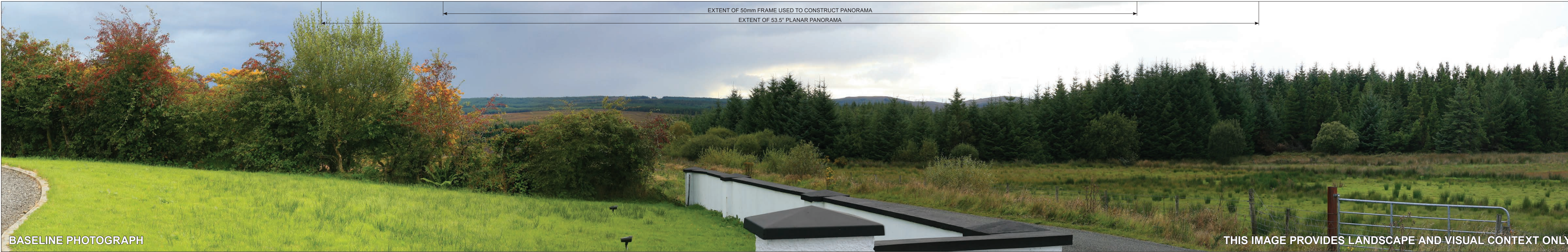
PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (TM). 4) Location map scale: 1:50,000 Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland	Viewpoint Information: Grid Reference: 609817E 887794N Ground Height: 150m AOD Direction of Centre of View: ³ 234° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Canon EOS 5D Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 21/09/2017 Photography Time: 13:56	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 909m Number of Sets of Tips Visible: ² 18 Number of Hubs Visible: ² 10
Image Size 820 x 260mm	QA TC / KA					
Paper Size 840 x 297mm	Rev -					
CAD-035IG Rev WCluster LVIA Visuals.indd						



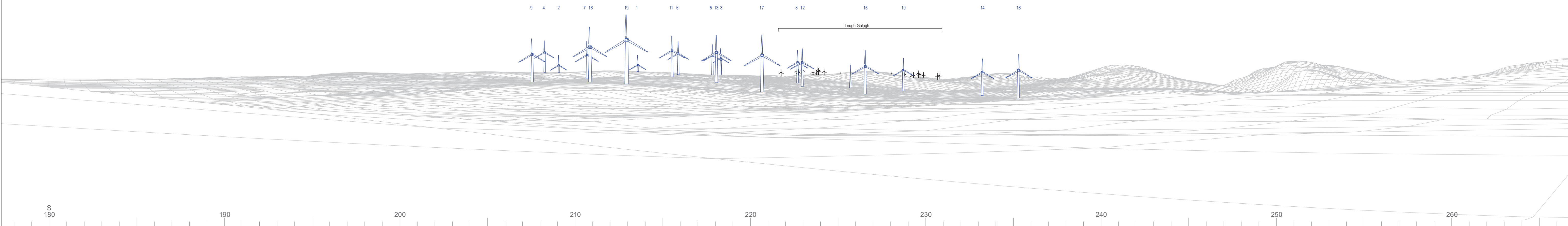
Meenbog Wind Farm
Viewpoint 1: View from Meenbog
PHOTOMONTAGE VISUALISATION 1c



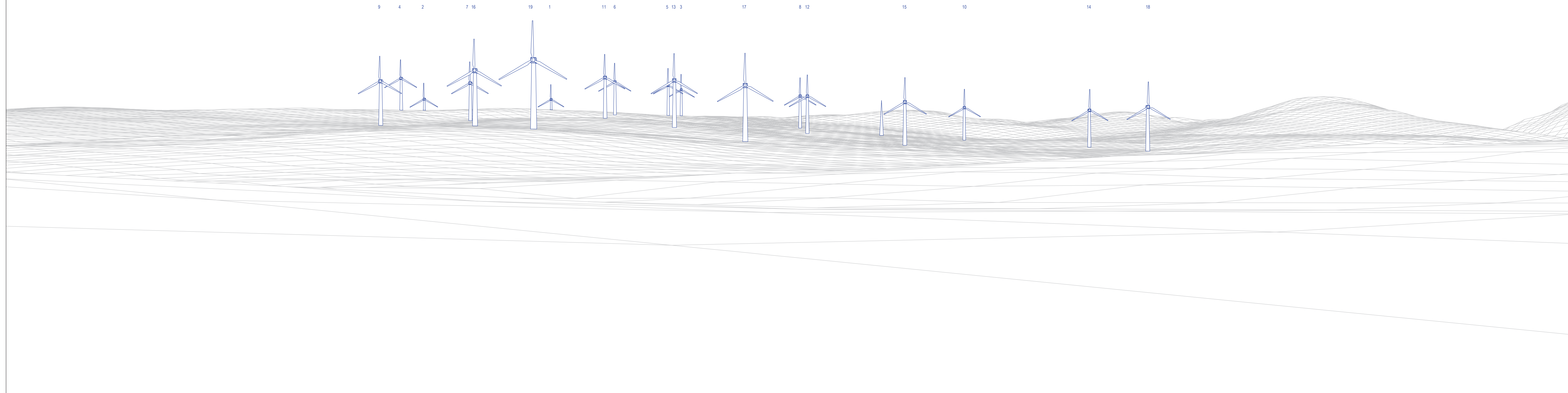
BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

WIRELINER DRAWING



<p>Date: DEC 2017</p> <p>Image Size: 820 x 130mm</p> <p>Paper Size: 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By: JS</p> <p>QA: TC / KA</p> <p>Rev: -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 610362E 889124N</p> <p>Ground Height: 153m AOD</p> <p>Direction of Centre of View: 222°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Canon EOS 5D</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 23/09/2017</p> <p>Photography Time: 15:32</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T19 @ 2283m</p> <p>Number of Sets of Tips Visible: 2</p> <p>Number of Hubs Visible: 2</p>	<p>Wireline Key:</p> <p> Meenbog Wind Farm</p> <p> Operational / Under Construction</p>
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Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 610362E 889124N
 Ground Height: 153m AOD
 Direction of Centre of View: 3 222°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Canon EOS 5D
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 23/09/2017
 Photography Time: 15:32

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 2283m
 Number of Sets of Tips Visible: 2 19
 Number of Hubs Visible: 2 19

Wireline Key:
 Meenbog Wind Farm



Meenbog Wind Farm
Viewpoint 2: View from local road in the Townland of Taughboy
WIRELINE VISUALISATION 2b



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (GTM).
 4) Location map scale: 1:50,000

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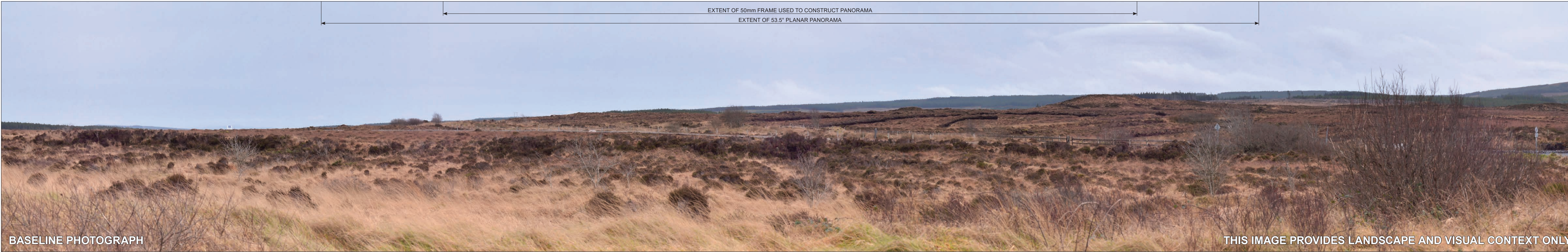
Viewpoint Information:
 Grid Reference: 610362E 889124N
 Ground Height: 153m AOD
 Direction of Centre of View: ³ 222°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Canon EOS 5D
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 23/09/2017
 Photography Time: 15:32

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 2283m
 Number of Sets of Tips Visible: ² 19
 Number of Hubs Visible: ² 19

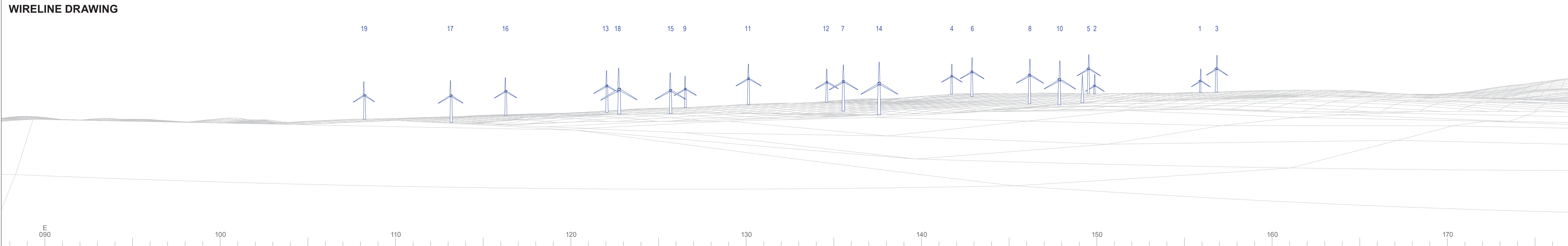


Meenbog Wind Farm
Viewpoint 2: View from local road in the Townland of Taughboy
PHOTOMONTAGE VISUALISATION 2c

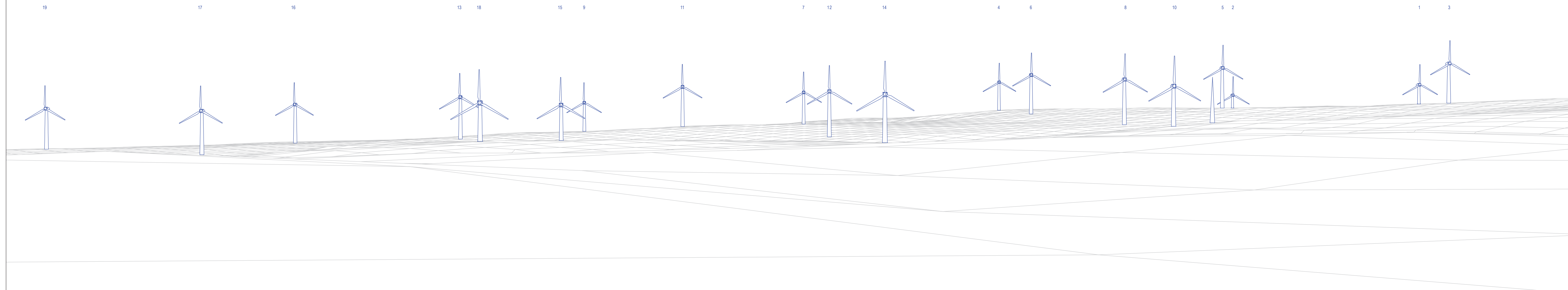


BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY



<p>Date: DEC 2017</p> <p>Image Size: 820 x 130mm</p> <p>Paper Size: 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By: JS</p> <p>QA: TC / KA</p> <p>Rev: -</p>		<p>Notes:</p> <ol style="list-style-type: none"> 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 605136E 888519N</p> <p>Ground Height: 184m AOD</p> <p>Direction of Centre of View: 3 133°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 03/02/2017</p> <p>Photography Time: 15:15</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T14 @ 2863m</p> <p>Number of Sets of Tips Visible: 2 19</p> <p>Number of Hubs Visible: 2 19</p>	<p>Wireline Key:</p> <p>Meenbog Wind Farm</p>
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Date DEC 2017		By JS			Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000
Image Size 820 x 260mm		QA TC / KA			
Paper Size 840 x 297mm		Rev -			
CAD-035IG Rev WCluster LVIA Visuals.indd				Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland	

Viewpoint Information:	
Grid Reference:	605136E 888519N
Ground Height:	184m AOD
Direction of Centre of View: ³	133°
Horizontal Field of View:	53.5°
Vertical Field of View:	18.2°
Principal Distance:	812.5mm

Photography Information:	
Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	03/02/2017
Photography Time:	15:15

Meenbog Wind Farm Layout Information:	
Layout:	LCAD016G.WFL
Hub Height:	100m
Height to Blade Tip:	156.5m
Nearest Visible Turbine:	T14 @ 2863m
Number of Sets of Tips Visible: ²	19
Number of Hubs Visible: ²	19

Wireline Key:	
	Meenbog Wind Farm



Meenbog Wind Farm
Viewpoint 3: View from the N15 in the Townland of Croghanagh
WIRELINE VISUALISATION 3b



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 605136E 888519N Ground Height: 184m AOD Direction of Centre of View: ³ 133° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 03/02/2017 Photography Time: 15:15	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T14 @ 2863m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 19	Key: - - - 53.5° Angle Turbines Barnsmore Gap
Image Size 820 x 260mm	QA TC / KA						
Paper Size 840 x 297mm	Rev -						
CAD-035/G Rev WCluster LVIA Visuals.indd							

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ENVIRONMENTAL AND LANDSCAPE PLANNING



Meenbog Wind Farm
Viewpoint 3: View from the N15 in the Townland of Croghanagh
PHOTOMONTAGE VISUALISATION 3c



BASELINE PHOTOGRAPH

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -

Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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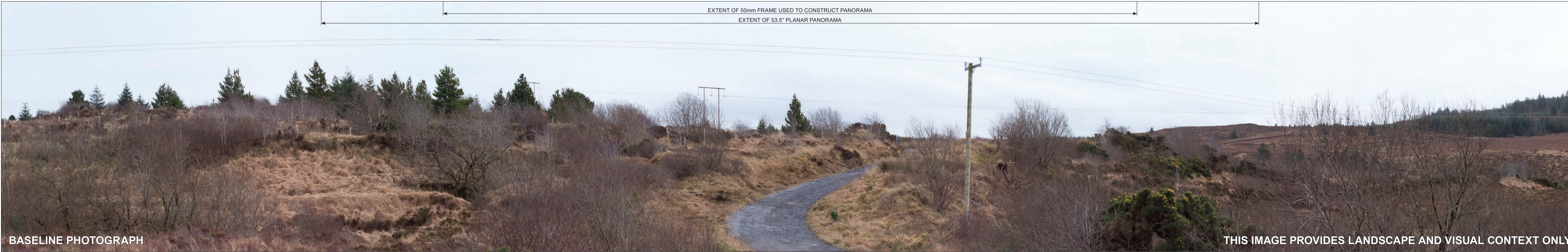
Viewpoint Information:
 Grid Reference: 605136E 888519N
 Ground Height: 184m AOD
 Direction of Centre of View: 3 220°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 03/02/2017
 Photography Time: 15:15

Key:
 --- 53.5° Angle
 Turbines
 Barnesmore Gap



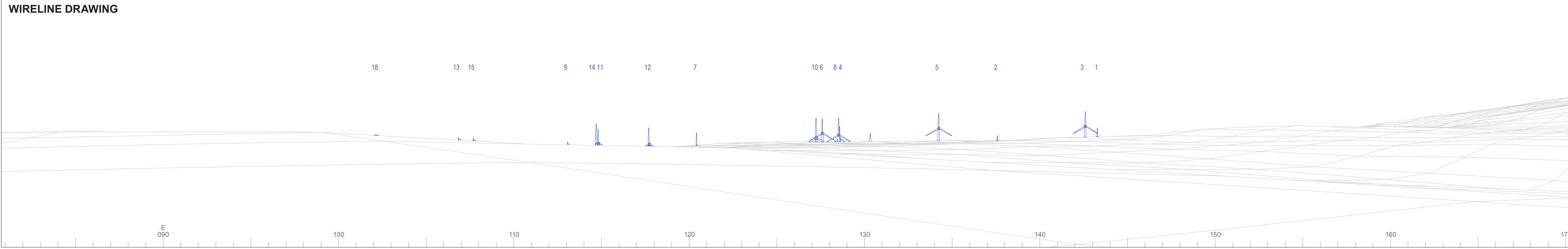
Meenbog Wind Farm
Viewpoint 3: View from the N15 in the Townland of Croghanagh
BASELINE VISUALISATION 3d



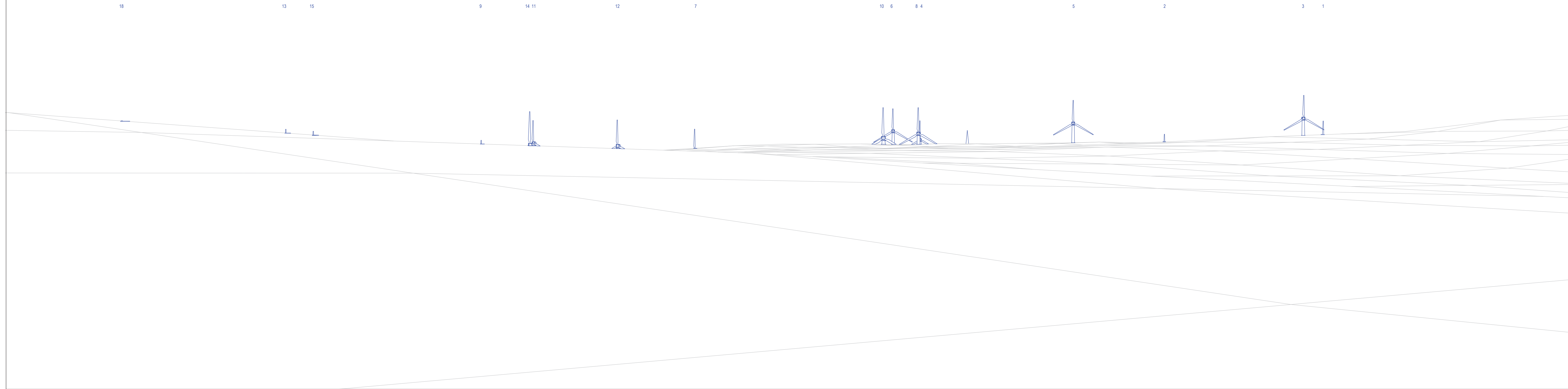
EXTENT OF 50mm FRAME USED TO CONSTRUCT PANORAMA
 EXTENT OF 53.5° PLANAR PANORAMA

BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY



Date DEC 2017 Image Size 820 x 130mm Paper Size 840 x 297mm CAD-035IG Rev WCluster LVIA Visuals.indd	By JS QA TC / KA Rev -		Notes: 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000 Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland	Viewpoint Information: Grid Reference: 604449E 887697N Ground Height: 158m AOD Direction of Centre of View: 3 132° Horizontal Field of View: 90° Vertical Field of View: 14.2° Principal Distance: 522mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 03/02/2017 Photography Time: 14:59	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T14 @ 2734m Number of Sets of Tips Visible: 2 16 Number of Hubs Visible: 2 9	Wireline Key:
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Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	


Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 604449E 887697N
 Ground Height: 158m AOD
 Direction of Centre of View: ³ 132°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 03/02/2017
 Photography Time: 14:59

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T14 @ 2734m
 Number of Sets of Tips Visible: ² 16
 Number of Hubs Visible: ² 9

Wireline Key:
 Meenbog Wind Farm



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035/G Rev WCluster LVIA Visuals.indd	



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 604449E 887697N
 Ground Height: 158m AOD
 Direction of Centre of View: ³ 132°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 03/02/2017
 Photography Time: 14:59

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T14 @ 2734m
 Number of Sets of Tips Visible: ² 16
 Number of Hubs Visible: ² 9

Key:
 - - - 53.5° Angle
 Turbines
 Barnesmore Gap

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 ENVIRONMENTAL AND LANDSCAPE PLANNING



Meenbog Wind Farm
Viewpoint 4: View from the N15 in the Townland of Croghanagh
 PHOTOMONTAGE VISUALISATION 4c



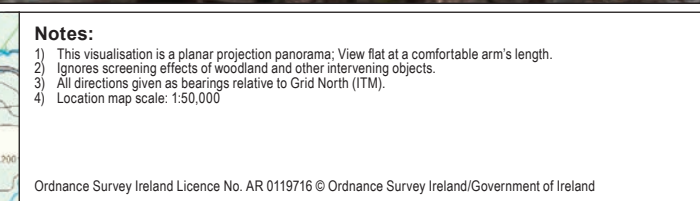
BASELINE PHOTOGRAPH

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035kG Rev WCluster LVIA Visuals.indd	

Notes:

- This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
- Ignores screening effects of woodland and other intervening objects.
- All directions given as bearings relative to Grid North (ITM).
- Location map scale: 1:50,000



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Viewpoint Information:

Grid Reference:	604449E 887697N
Ground Height:	158m AOD
Direction of Centre of View: °	220°
Horizontal Field of View:	53.5°
Vertical Field of View:	18.2°
Principal Distance:	812.5mm

Photography Information:

Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	03/02/2017
Photography Time:	14:59

Key:

- - - 53.5° Angle
- Turbines
- Barnesmore Gap

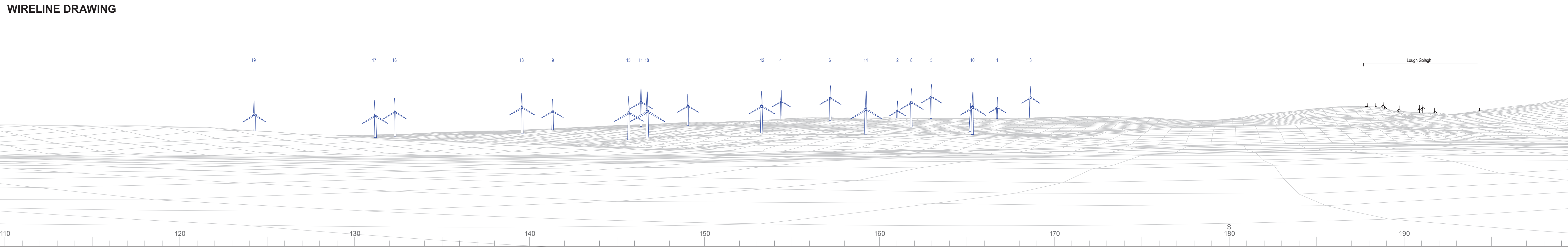


STEPHENSON HALLIDAY
ENVIRONMENTAL AND LANDSCAPE PLANNING

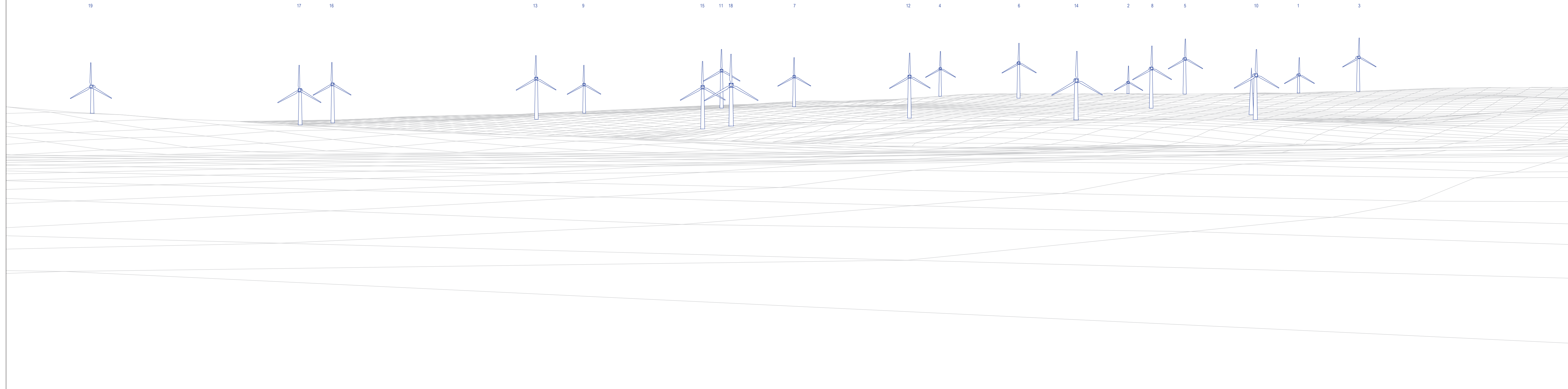
Meenbog Wind Farm

Viewpoint 4: View from the N15 in the Townland of Croghanagh

BASELINE VISUALISATION 4d



Date DEC 2017	By JS		Notes: 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. 2) Ignores screening effects of woodlands and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000 Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland	Viewpoint Information: Grid Reference: 605832E 889445N Ground Height: 177m AOD Direction of Centre of View: 3 146° Horizontal Field of View: 90° Vertical Field of View: 14.2° Principal Distance: 522mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 03/02/2017 Photography Time: 15:33	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T18 @ 2849m Number of Sets of Tips Visible: 2 19 Number of Hubs Visible: 2 19	Wireline Key:
Image Size 820 x 130mm	QA TC / KA						
Paper Size 840 x 297mm	Rev -						



Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 605832E 889445N
 Ground Height: 177m AOD
 Direction of Centre of View: ³ 146°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 03/02/2017
 Photography Time: 15:33

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T18 @ 2849m
 Number of Sets of Tips Visible: ² 19
 Number of Hubs Visible: ² 19

Wireline Key:
 Meenbog Wind Farm



Meenbog Wind Farm
Viewpoint 5: View from the N15 in the Townland of Cashelnavean
WIRELINE VISUALISATION 5b



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035/G Rev WCluster LVIA Visuals.indd	



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland

Viewpoint Information:
 Grid Reference: 605832E 889445N
 Ground Height: 177m AOD
 Direction of Centre of View: ³ 146°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 03/02/2017
 Photography Time: 15:33

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T18 @ 2849m
 Number of Sets of Tips Visible: ² 19
 Number of Hubs Visible: ² 19

Key:
 - - - 53.5° Angle
 Turbines
 Barnesmoe Gap



Meenbog Wind Farm
Viewpoint 5: View from the N15 in the Townland of Cashelnavonean
PHOTOMONTAGE VISUALISATION 5c



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date	By
DEC 2017	JS
Image Size	QA
820 x 260mm	TC / KA
Paper Size	Rev
840 x 297mm	-



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 605832E 889445N
 Ground Height: 177m AOD
 Direction of Centre of View: 218°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 03/02/2017
 Photography Time: 15:33

Key:
 --- 53.5° Angle
 Turbines
 Barnesmore Gap



Meenbog Wind Farm
Viewpoint 5: View from the N15 in the Townland of Cashelnavean
PHOTOMONTAGE VISUALISATION 5d

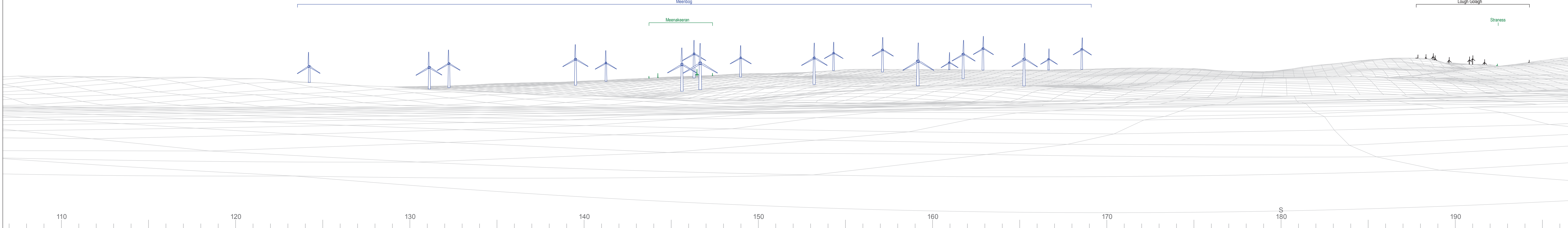
EXTENT OF 50mm FRAME USED TO CONSTRUCT PANORAMA



BASELINE PHOTOGRAPH

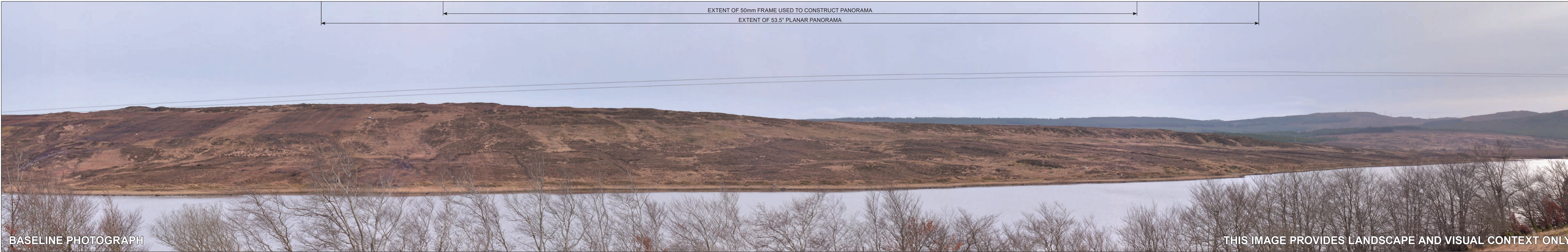
THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

CUMULATIVE WIRELINE DRAWING



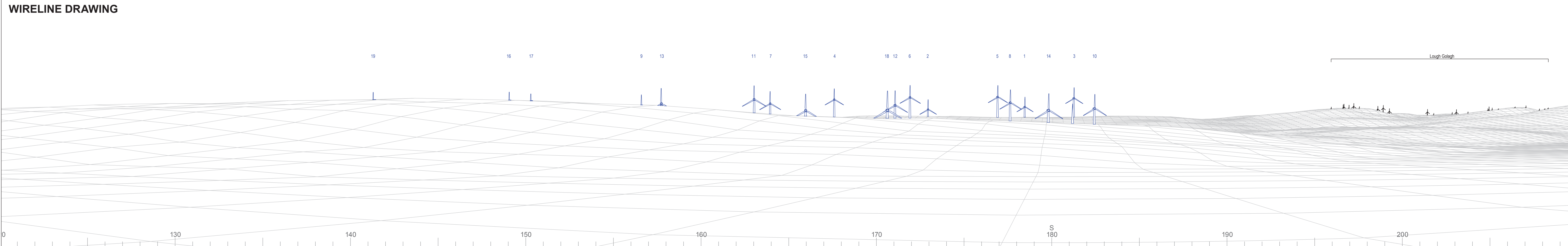
<p>Date: NOV 2017</p> <p>Image Size: 820 x 130mm</p> <p>Paper Size: 840 x 297mm</p> <p>CAD-038cG CUMU WCluster Visuals.indd</p>	<p>By: JS</p> <p>QA: TC / KA</p> <p>Rev: -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 605832E 889445N</p> <p>Ground Height: 177m AOD</p> <p>Direction of Centre of View: 3 146°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 03/02/2017</p> <p>Photography Time: 15:33</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T18 @ 2849m</p> <p>Number of Sets of Tips Visible: 2 19</p> <p>Number of Hubs Visible: 2 19</p>	<p>Wireline Key:</p> <ul style="list-style-type: none"> Meenbog Wind Farm Operational / Under Construction Consented Proposals (each proposal is illustrated using different colours)
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BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY



Date DEC 2017	By JS
Image Size 820 x 130mm	QA TC / KA
Paper Size 840 x 297mm	Rev -

Notes:
 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

Viewpoint Information:
 Grid Reference: 606913E 889955N
 Ground Height: 182m AOD
 Direction of Centre of View: ³ 162°
 Horizontal Field of View: 90°
 Vertical Field of View: 14.2°
 Principal Distance: 522mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 03/02/2017
 Photography Time: 15:48

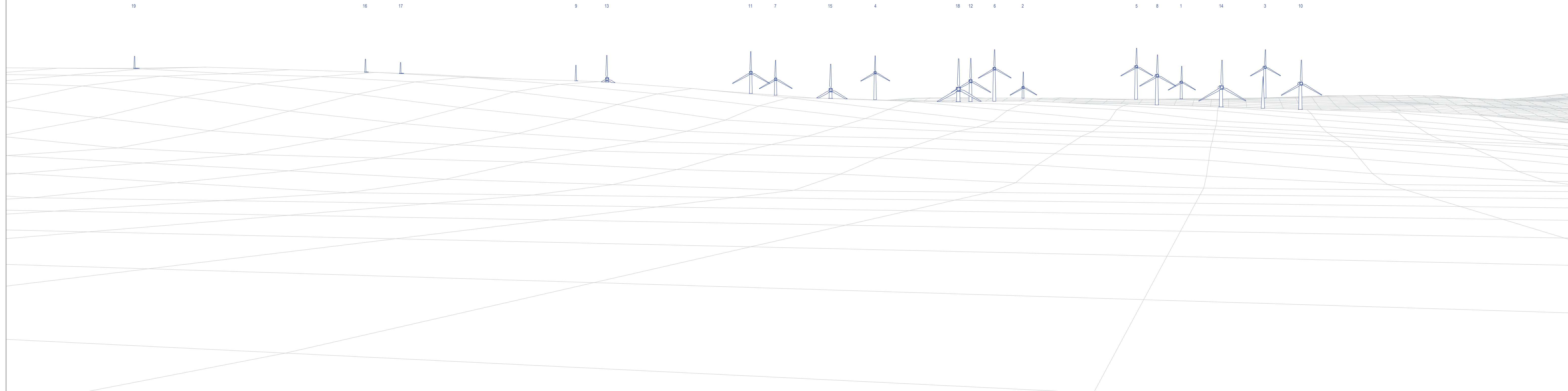
Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T18 @ 2931m
 Number of Sets of Tips Visible: ² 19
 Number of Hubs Visible: ² 15

Wireline Key:

 Meenbog Wind Farm
 Operational / Under Construction



Meenbog Wind Farm
Viewpoint 6: View from the N15 in the Townland of Cashelnavean
BASELINE VISUALISATION 6a



Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	

Notes:

- 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
- 2) Ignores screening effects of woodland and other intervening objects.
- 3) All directions given as bearings relative to Grid North (ITM).
- 4) Location map scale: 1:50,000

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Viewpoint Information:

Grid Reference:	606913E 889955N
Ground Height:	182m AOD
Direction of Centre of View: ³	162°
Horizontal Field of View:	53.5°
Vertical Field of View:	18.2°
Principal Distance:	812.5mm

Photography Information:

Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	03/02/2017
Photography Time:	15:48

Meenbog Wind Farm Layout Information:

Layout:	LCAD016G.WFL
Hub Height:	100m
Height to Blade Tip:	156.5m
Nearest Visible Turbine:	T18 @ 2931m
Number of Sets of Tips Visible: ²	19
Number of Hubs Visible: ²	15

Wireline Key:

	Meenbog Wind Farm
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Meenbog Wind Farm
Viewpoint 6: View from the N15 in the Townland of Cashelnavenan
WIRELINE VISUALISATION 6b



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035/G Rev WCluster LVIA Visuals.indd	

Notes:

- 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
- 2) Ignores screening effects of woodland and other intervening objects.
- 3) All directions given as bearings relative to Grid North (ITM).
- 4) Location map scale: 1:50,000

Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland

Viewpoint Information:

Grid Reference:	606913E 889955N
Ground Height:	182m AOD
Direction of Centre of View: ³	162°
Horizontal Field of View:	53.5°
Vertical Field of View:	18.2°
Principal Distance:	812.5mm

Photography Information:

Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	03/02/2017
Photography Time:	15:48

Meenbog Wind Farm Layout Information:

Layout:	LCAD016G.WFL
Hub Height:	100m
Height to Blade Tip:	156.5m
Nearest Visible Turbine:	T18 @ 2931m
Number of Sets of Tips Visible: ²	19
Number of Hubs Visible: ²	15

Key:

- - - 53.5° Angle
- Turbines
- Barnesmore Gap



Meenbog Wind Farm
Viewpoint 6: View from the N15 in the Townland of Cashelnavean
PHOTOMONTAGE VISUALISATION 6c



BASELINE PHOTOGRAPH

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -

Notes:

- This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
- Ignores screening effects of woodland and other intervening objects.
- All directions given as bearings relative to Grid North (TM).
- Location map scale: 1:50,000

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Viewpoint Information:

Grid Reference:	606913E 889955N
Ground Height:	182m AOD
Direction of Centre of View: °	222°
Horizontal Field of View:	53.5°
Vertical Field of View:	18.2°
Principal Distance:	812.5mm

Photography Information:

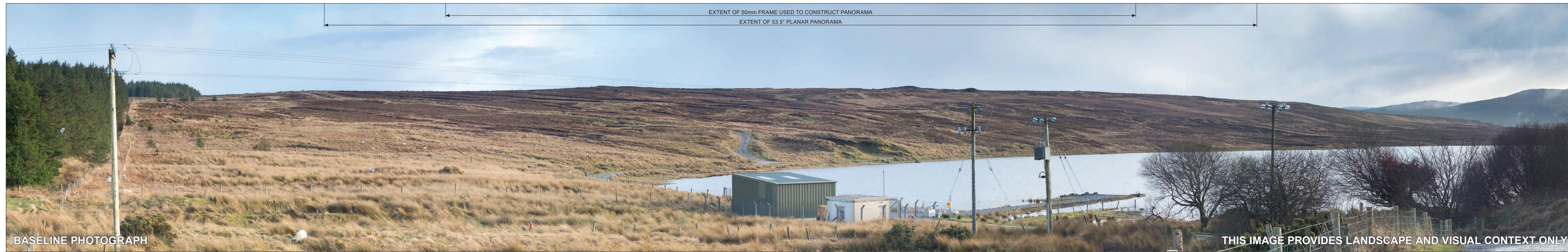
Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	03/02/2017
Photography Time:	15:48

Key:

- - - 53.5° Angle
- Turbines
- Barnesmore Gap

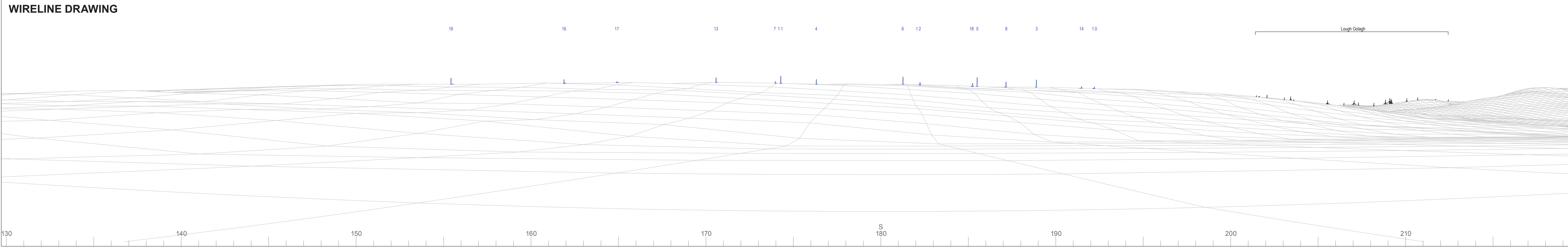
Key:

- - - 53.5° Angle
- Turbines
- Barnesmore Gap

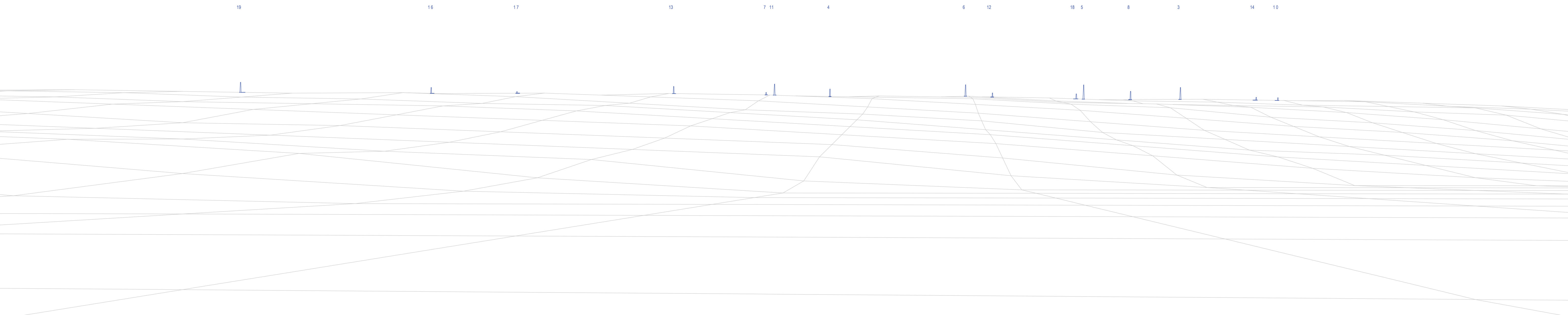


BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY



<p>Date DEC 2017</p> <p>Image Size 820 x 130mm</p> <p>Paper Size 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By JS</p> <p>QA TC / KA</p> <p>Rev -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodlands and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 607690E 890330N</p> <p>Ground Height: 173m AOD</p> <p>Direction of Centre of View: 3 175°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 27/02/2017</p> <p>Photography Time: 17:02</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T18 @ 3279m</p> <p>Number of Sets of Tips Visible: 2 15</p> <p>Number of Hubs Visible: 2 0</p>	<p>Wireline Key:</p> <p> Meenbog Wind Farm</p> <p> Operational / Under Construction</p>
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Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 607690E 890330N Ground Height: 173m AOD Direction of Centre of View: ³ 175° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 27/02/2017 Photography Time: 17:02	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T18 @ 3279m Number of Sets of Tips Visible: ² 15 Number of Hubs Visible: ² 0	Wireline Key: Meenbog Wind Farm
Image Size 820 x 260mm	QA TC / KA						
Paper Size 840 x 297mm	Rev -						
CAD-035IG Rev WCluster LVIA Visuals.indd							



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035/G Rev WCluster LVIA Visuals.indd	

Notes:

- 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
- 2) Ignores screening effects of woodland and other intervening objects.
- 3) All directions given as bearings relative to Grid North (ITM).
- 4) Location map scale: 1:50,000

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Viewpoint Information:

Grid Reference:	607690E 890330N
Ground Height:	173m AOD
Direction of Centre of View: ³	175°
Horizontal Field of View:	53.5°
Vertical Field of View:	18.2°
Principal Distance:	812.5mm

Photography Information:

Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	27/02/2017
Photography Time:	17:02

Meenbog Wind Farm Layout Information:

Layout:	LCAD016G.WFL
Hub Height:	100m
Height to Blade Tip:	156.5m
Nearest Visible Turbine:	T18 @ 3279m
Number of Sets of Tips Visible: ²	15
Number of Hubs Visible: ²	0

Key:

- - - 53.5° Angle
- Turbines
- Barnesmore Gap

STEPHENSON HALLIDAY
ENVIRONMENTAL AND LANDSCAPE PLANNING

Meenbog Wind Farm
Viewpoint 7: View from the N15 in the Townland of Meenacrumlin
PHOTOMONTAGE VISUALISATION 7c



BASELINE PHOTOGRAPH

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date	By
DEC 2017	JS
Image Size	QA
820 x 260mm	TC / KA
Paper Size	Rev
840 x 297mm	-
CAD-035IG Rev WCluster LVIA Visuals.indd	



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 607690E 890330N
 Ground Height: 173m AOD
 Direction of Centre of View: 225°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 27/02/2017
 Photography Time: 17:02

Key:
 - - - 53.5° Angle
 Turbines
 Barnesmore Gap

Key:
 - - - 53.5° Angle
 Turbines
 Barnesmore Gap



BASELINE PHOTOGRAPH

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date	By
DEC 2017	JS
Image Size	QA
820 x 260mm	TC / KA
Paper Size	Rev
840 x 297mm	-
CAD-035kG Rev WCluster LVIA Visuals.indd	



Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

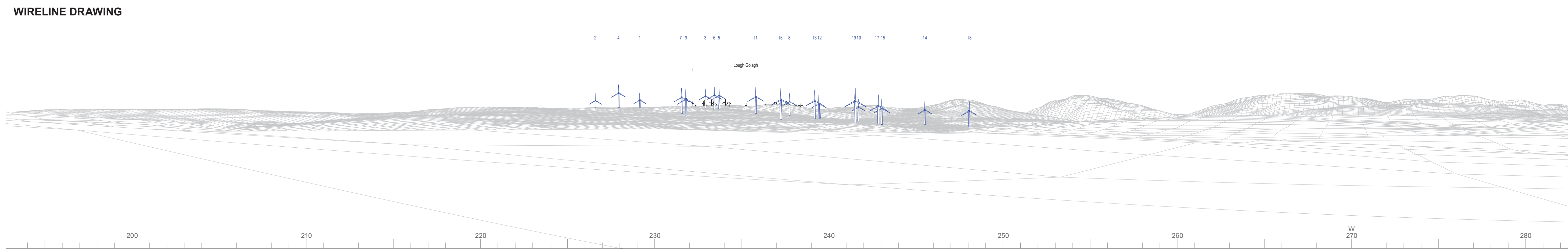
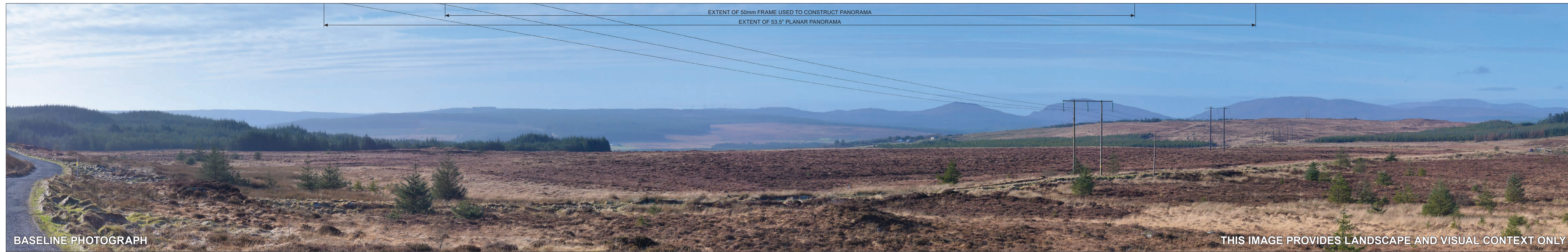
Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland

Viewpoint Information:
 Grid Reference: 607690E 890330N
 Ground Height: 173m AOD
 Direction of Centre of View: 225°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 27/02/2017
 Photography Time: 17:02

Key:
 - - - 53.5° Angle
 Turbines
 Barnesmore Gap

Key:
 - - - 53.5° Angle
 Turbines
 Barnesmore Gap



Date DEC 2017	By JS
Image Size 820 x 130mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	

Notes:

- This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
- Ignores screening effects of woodland and other intervening objects.
- All directions given as bearings relative to Grid North (ITM).
- Location map scale: 1:50,000

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Viewpoint Information:

Grid Reference: 613080E 889353N
 Ground Height: 196m AOD
 Direction of Centre of View: 3 238°
 Horizontal Field of View: 90°
 Vertical Field of View: 14.2°
 Principal Distance: 522mm

Photography Information:

Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 08/08/2017
 Photography Time: 11:37

Meenbog Wind Farm Layout Information:

Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 4501m
 Number of Sets of Tips Visible: 2 19
 Number of Hubs Visible: 2 19

Wireline Key:

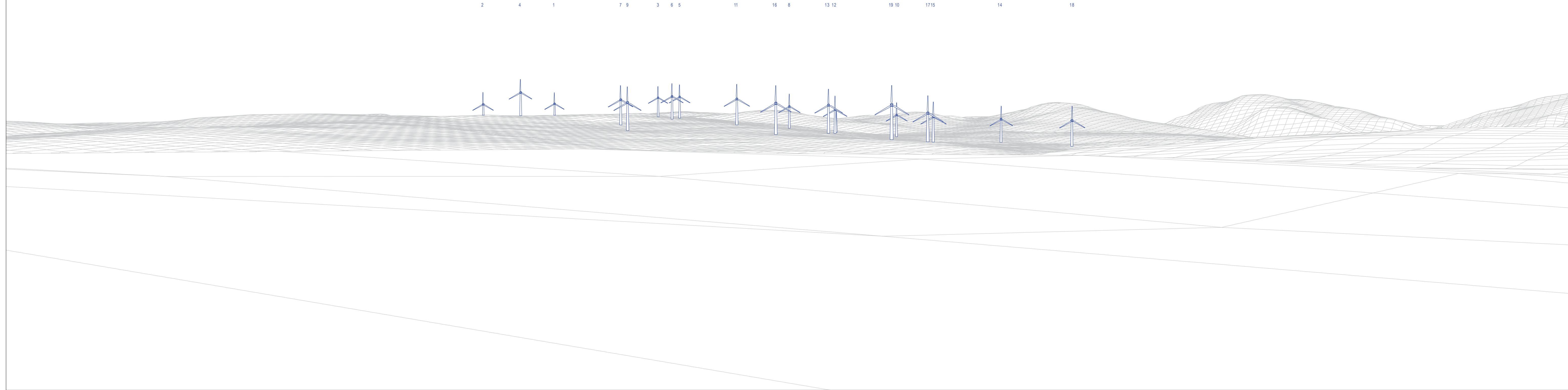
Meenbog Wind Farm
 Operational / Under Construction



Meenbog Wind Farm

Viewpoint 8: View from local road in the Townland of Kinletter

BASELINE VISUALISATION 8a



Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	


Notes:
 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 613080E 889353N
 Ground Height: 196m AOD
 Direction of Centre of View: 3 238°
 Horizontal Field of View: 53.5°
 Vertical Field of View: 18.2°
 Principal Distance: 812.5mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 08/08/2017
 Photography Time: 11:37

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 4501m
 Number of Sets of Tips Visible: 19
 Number of Hubs Visible: 19

Wireline Key:
 Meenbog Wind Farm




Meenbog Wind Farm
Viewpoint 8: View from local road in the Townland of Kinletter
WIRELINER VISUALISATION 8b



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (GTM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 613080E 889353N Ground Height: 196m AOD Direction of Centre of View: ³ 238° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 08/08/2017 Photography Time: 11:37	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 4501m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 19
Image Size 820 x 260mm	QA TC / KA					
Paper Size 840 x 297mm	Rev -					
CAD-035IG Rev WCluster LVIA Visuals.indd						

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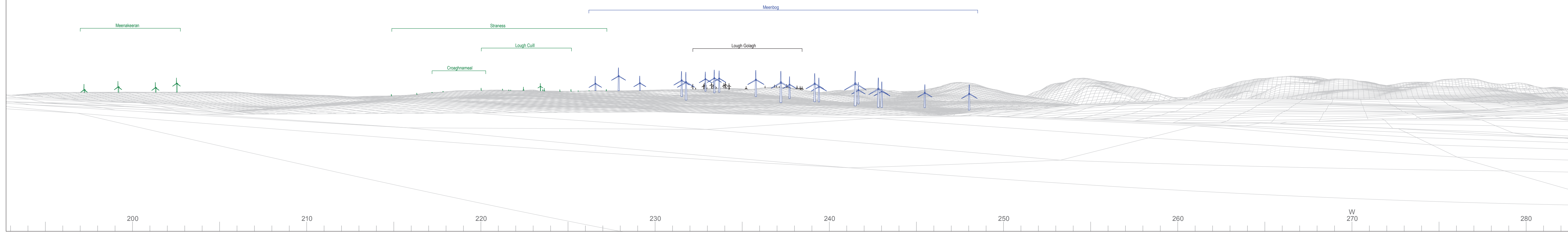
Meenbog Wind Farm
Viewpoint 8: View from local road in the Townland of Kinletter
PHOTOMONTAGE VISUALISATION 8c



BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

CUMULATIVE WIRELINE DRAWING



Date NOV 2017	By JS	
Image Size 820 x 130mm	QA TC / KA	
Paper Size 840 x 297mm	Rev -	

Notes:
 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 613080E 889353N
 Ground Height: 196m AOD
 Direction of Centre of View: 3 238°
 Horizontal Field of View: 90°
 Vertical Field of View: 14.2°
 Principal Distance: 522mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 08/08/2017
 Photography Time: 11:37

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 4501m
 Number of Sets of Tips Visible: 2 19
 Number of Hubs Visible: 2 19

Wireline Key:

- Meenbog Wind Farm
- Operational / Under Construction
- Consented
- Proposals (each proposal is illustrated using different colours)



Meenbog Wind Farm
Viewpoint 8: View from Local road in the townland of Kinletter
CUMULATIVE VISUALISATION 8d

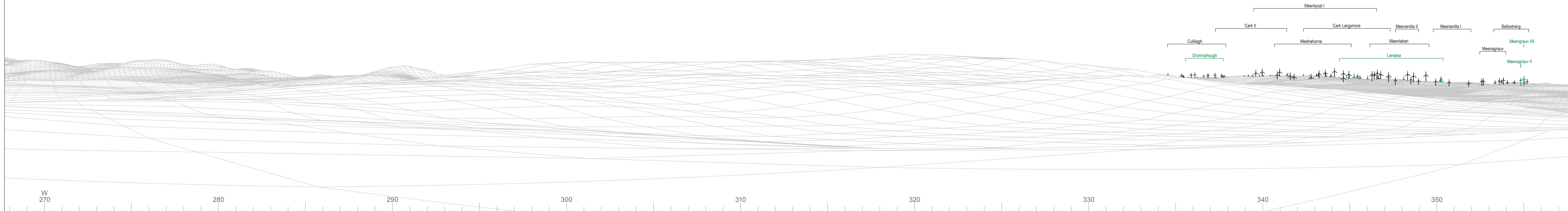
EXTENT OF 50mm FRAME USED TO CONSTRUCT PANORAMA



BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

CUMULATIVE WIRELINE DRAWING



Date NOV 2017	By JS	
Image Size 820 x 130mm	QA TC / KA	
Paper Size 840 x 297mm	Rev -	
CAD-038cG CUMU WCluster Visuals.indd		

Notes:
 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
 2) Ignores screening effects of woodlands and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 613080E 889353N
 Ground Height: 196m AOD
 Direction of Centre of View: ³ 328°
 Horizontal Field of View: 90°
 Vertical Field of View: 14.2°
 Principal Distance: 522mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 08/08/2017
 Photography Time: 11:37

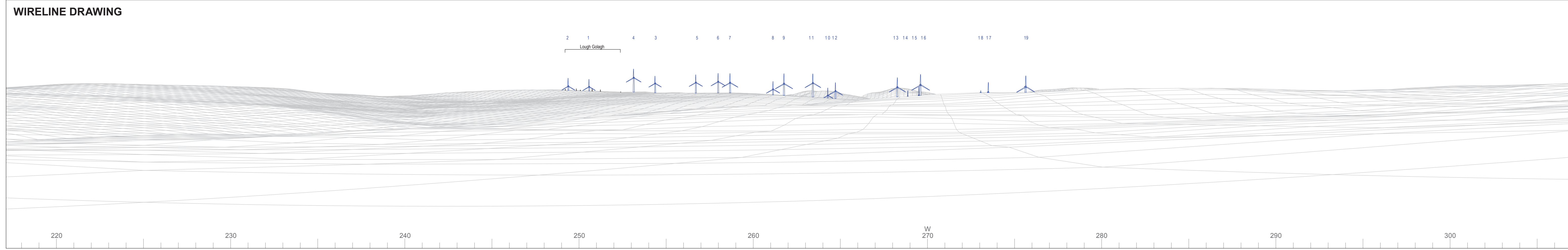
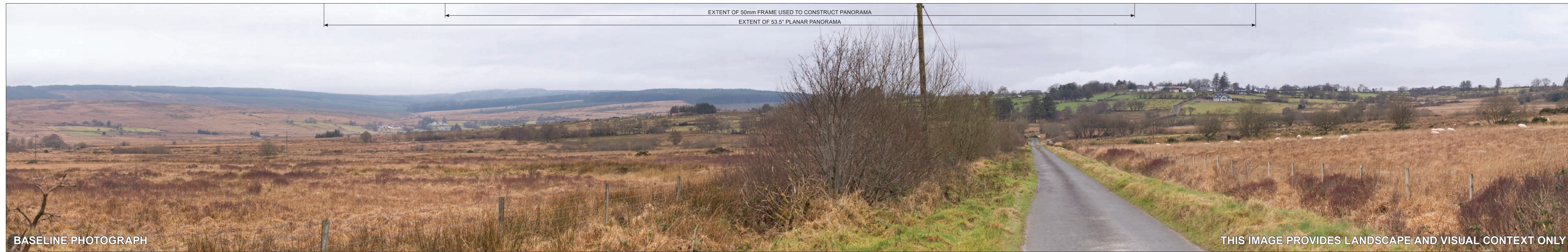
Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 4501m
 Number of Sets of Tips Visible: ² 19
 Number of Hubs Visible: ² 19

Wireline Key:

- Meenbog Wind Farm
- Operational / Under Construction
- Consented
- Proposals (each proposal is illustrated using different colours)



Meenbog Wind Farm
Viewpoint 8: View from Local road in the townland of Kinletter
CUMULATIVE VISUALISATION 8e



Date DEC 2017	By JS
Image Size 820 x 130mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035/G Rev WCluster LVIA Visuals.indd	

Notes:

- This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
- Ignores screening effects of woodland and other intervening objects.
- All directions given as bearings relative to Grid North (ITM).
- Location map scale: 1:50,000

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Viewpoint Information:

Grid Reference: 614255E 886705N
 Ground Height: 125m AOD
 Direction of Centre of View: 3 262°
 Horizontal Field of View: 90°
 Vertical Field of View: 14.2°
 Principal Distance: 522mm

Photography Information:

Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 29/01/2017
 Photography Time: 15:32

Meenbog Wind Farm Layout Information:

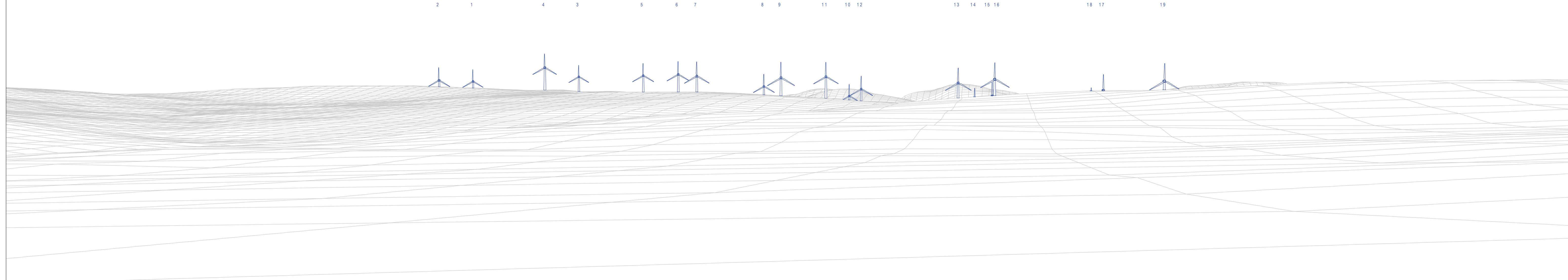
Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 5156m
 Number of Sets of Tips Visible: 2 19
 Number of Hubs Visible: 2 16

Wireline Key:

Meenbog Wind Farm
 Operational / Under Construction



Meenbog Wind Farm
Viewpoint 9: View from local road in the Townland of Tievecloghoge
BASELINE VISUALISATION 9a



Date DEC 2017	By JS
Image Size 820 x 260mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-035IG Rev WCluster LVIA Visuals.indd	

Notes:

- 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length.
- 2) Ignores screening effects of woodland and other intervening objects.
- 3) All directions given as bearings relative to Grid North (ITM).
- 4) Location map scale: 1:50,000

Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland

Viewpoint Information:

Grid Reference:	614255E 886705N
Ground Height:	125m AOD
Direction of Centre of View: ³	262°
Horizontal Field of View:	53.5°
Vertical Field of View:	18.2°
Principal Distance:	812.5mm

Photography Information:

Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	29/01/2017
Photography Time:	15:32

Meenbog Wind Farm Layout Information:

Layout:	LCAD016G.WFL
Hub Height:	100m
Height to Blade Tip:	156.5m
Nearest Visible Turbine:	T19 @ 5156m
Number of Sets of Tips Visible: ²	19
Number of Hubs Visible: ²	16

Wireline Key:

	Meenbog Wind Farm
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Meenbog Wind Farm
Viewpoint 9: View from local road in the Townland of Tievecloaghoge
WIRELINING VISUALISATION 9b



PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (TNM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 614255E 886705N Ground Height: 125m AOD Direction of Centre of View: ³ 262° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 29/01/2017 Photography Time: 15:32	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 5156m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 16
Image Size 820 x 260mm	QA TC / KA					
Paper Size 840 x 297mm	Rev -					
CAD-035IG Rev WCluster LVIA Visuals.indd						

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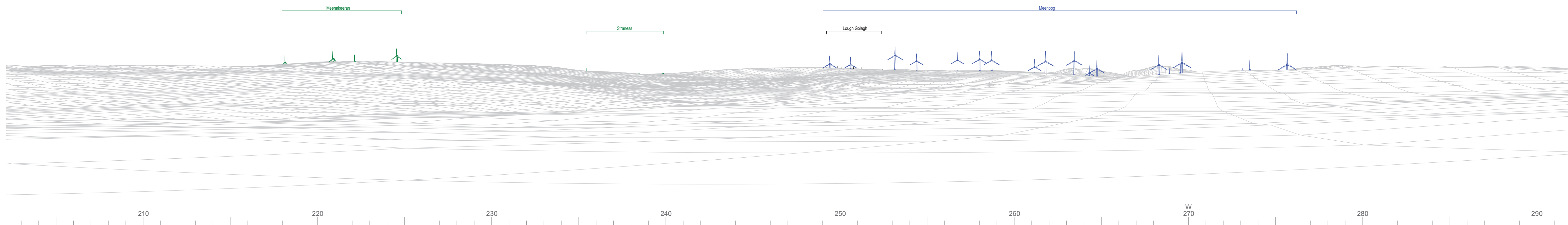
Meenbog Wind Farm
Viewpoint 9: View from local road in the Townland of Tievecloghoge
PHOTOMONTAGE VISUALISATION 9c



BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

CUMULATIVE WIRELINE DRAWING



Date NOV 2017	By JS
Image Size 820 x 130mm	QA TC / KA
Paper Size 840 x 297mm	Rev -
CAD-038cG CUMU WCluster Visuals.indd	

Notes:
 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 614255E 886705N
 Ground Height: 125m AOD
 Direction of Centre of View: 3 262°
 Horizontal Field of View: 90°
 Vertical Field of View: 14.2°
 Principal Distance: 522mm

Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 29/01/2017
 Photography Time: 15:32

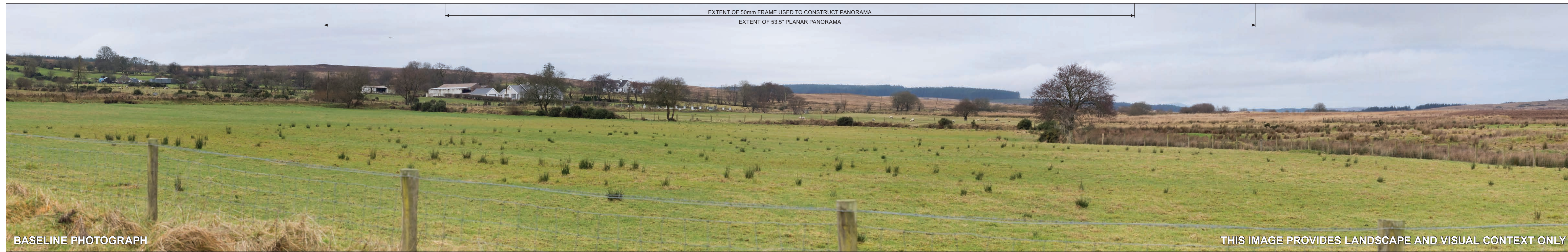
Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T19 @ 5156m
 Number of Sets of Tips Visible: 2 19
 Number of Hubs Visible: 2 16

Wireline Key:

- Meenbog Wind Farm
- Operational / Under Construction
- Consented
- Proposals (each proposal is illustrated using different colours)



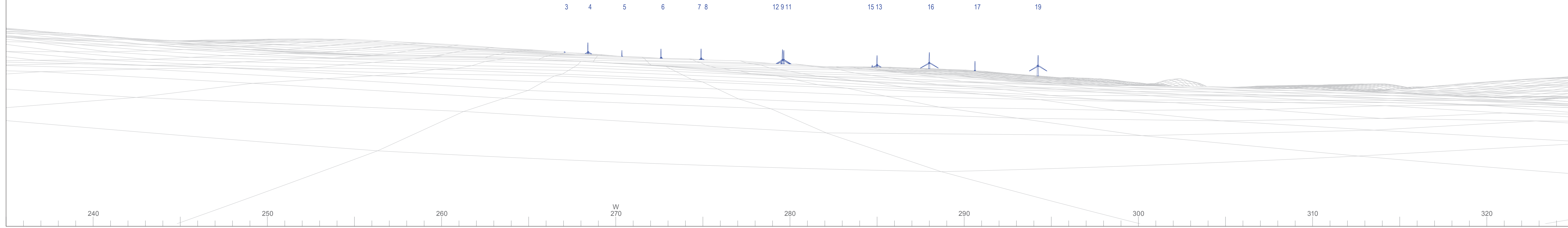
EXTENT OF 50mm FRAME USED TO CONSTRUCT PANORAMA
EXTENT OF 53.5° PLANAR PANORAMA



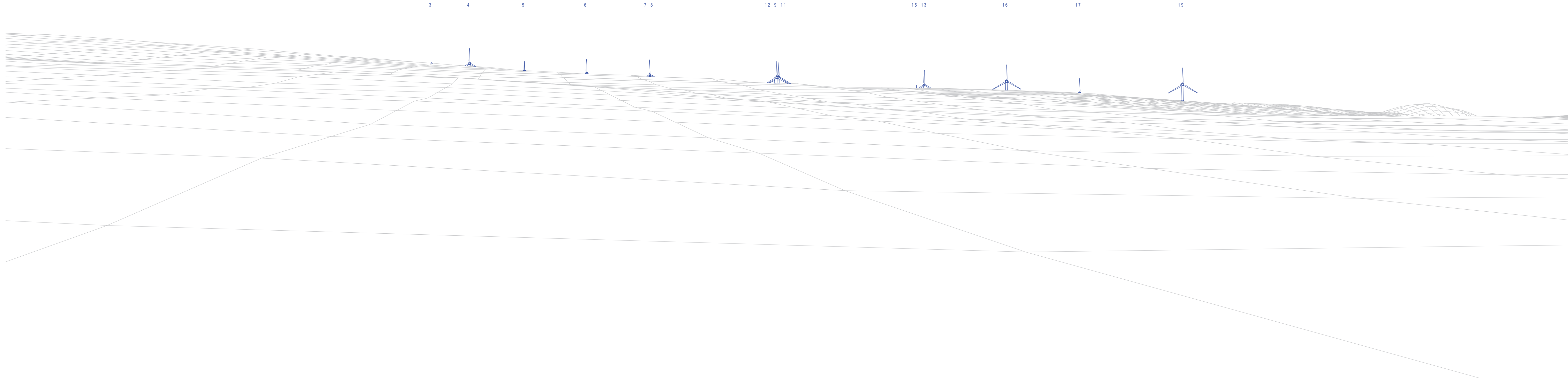
BASELINE PHOTOGRAPH



THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

WIRELINING DRAWING



<p>Date: DEC 2017</p> <p>Image Size: 820 x 130mm</p> <p>Paper Size: 840 x 297mm</p> <p>CAD-035/G Rev WCluster LVIA Visuals.indd</p>	<p>By: JS</p> <p>QA: TC / KA</p> <p>Rev: -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 614056E 884991N</p> <p>Ground Height: 102m AOD</p> <p>Direction of Centre of View: 3 280°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 29/01/2017</p> <p>Photography Time: 14:48</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T19 @ 5407m</p> <p>Number of Sets of Tips Visible: 2 14</p> <p>Number of Hubs Visible: 2 8</p>	<p>Wireline Key:</p> <p> Meenbog Wind Farm</p> <p> Operational / Under Construction</p>
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Date DEC 2017 Image Size 820 x 260mm Paper Size 840 x 297mm CAD-035IG Rev WCluster LVIA Visuals.indd	By JS QA TC / KA Rev -		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000 Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland	Viewpoint Information: Grid Reference: 614056E 884991N Ground Height: 102m AOD Direction of Centre of View: ³ 280° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 29/01/2017 Photography Time: 14:48	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 5407m Number of Sets of Tips Visible: ² 14 Number of Hubs Visible: ² 8	Wireline Key:  Meenbog Wind Farm
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Meenbog Wind Farm
Viewpoint 10: View from local road to the south east of Deevoge bridge
WIRELINER VISUALISATION 10b



PHOTOMONTAGE

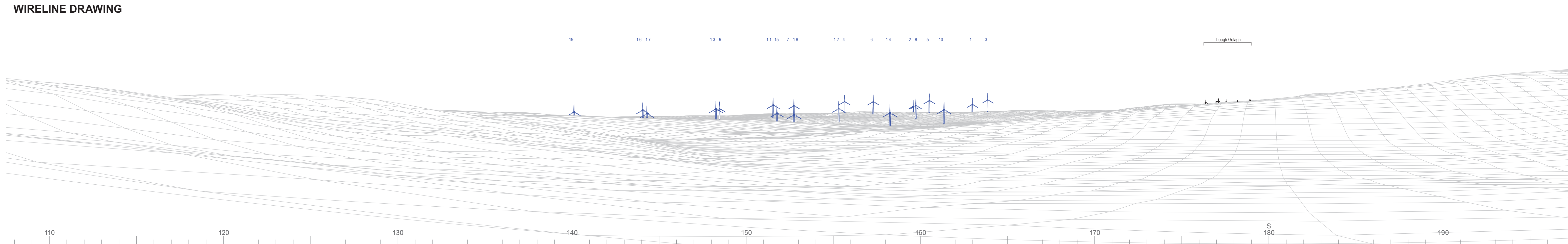
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (TNM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 614056E 884991N Ground Height: 102m AOD Direction of Centre of View: ³ 280° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 29/01/2017 Photography Time: 14:48	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 5407m Number of Sets of Tips Visible: ² 14 Number of Hubs Visible: ² 8
Image Size 820 x 260mm	QA TC / KA					
Paper Size 840 x 297mm	Rev -					
CAD-035IG Rev WCluster LVIA Visuals.indd						

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Meenbog Wind Farm
Viewpoint 10: View from local road to the south east of Deevoge bridge
PHOTOMONTAGE VISUALISATION 10c



Date DEC 2017	By JS	
Image Size 820 x 130mm	QA TC / KA	
Paper Size 840 x 297mm	Rev -	
CAD-035IG Rev WCluster LVIA Visuals.indd		

Notes:
 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only.
 2) Ignores screening effects of woodland and other intervening objects.
 3) All directions given as bearings relative to Grid North (ITM).
 4) Location map scale: 1:50,000

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Viewpoint Information:
 Grid Reference: 604430E 892819N
 Ground Height: 239m AOD
 Direction of Centre of View: 3 153°
 Horizontal Field of View: 90°
 Vertical Field of View: 14.2°
 Principal Distance: 522mm

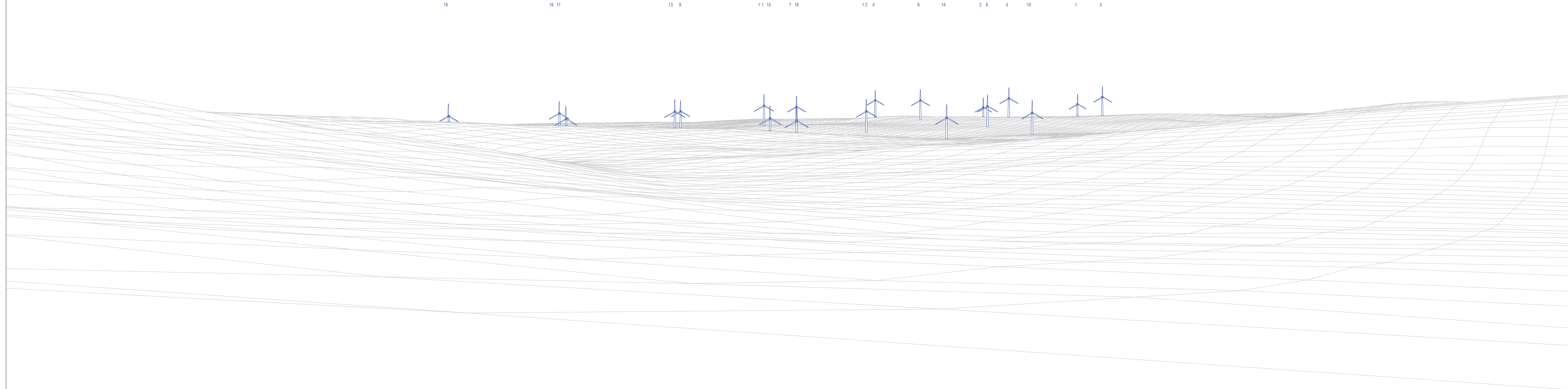
Photography Information:
 Camera: Nikon D600
 Lens: 50mm Fixed Focal Length
 Camera Height: 1.5m
 Photography Date: 12/02/2017
 Photography Time: 13:49

Meenbog Wind Farm Layout Information:
 Layout: LCAD016G.WFL
 Hub Height: 100m
 Height to Blade Tip: 156.5m
 Nearest Visible Turbine: T18 @ 6475m
 Number of Sets of Tips Visible: 2 19
 Number of Hubs Visible: 2 19

Wireline Key:

 Meenbog Wind Farm
 Operational / Under Construction

Meenbog Wind Farm
Viewpoint 11: View from Townland of Altnapaste
BASELINE VISUALISATION 11a



<p>Date DEC 2017</p> <p>Image Size 820 x 260mm</p> <p>Paper Size 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By JS</p> <p>QA TC / KA</p> <p>Rev -</p>		<p>Notes:</p> <ol style="list-style-type: none"> 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 604430E 892819N</p> <p>Ground Height: 239m AOD</p> <p>Direction of Centre of View: ³ 153°</p> <p>Horizontal Field of View: 53.5°</p> <p>Vertical Field of View: 18.2°</p> <p>Principal Distance: 812.5mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 12/02/2017</p> <p>Photography Time: 13:49</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T18 @ 6475m</p> <p>Number of Sets of Tips Visible: ² 19</p> <p>Number of Hubs Visible: ² 19</p>	<p>Wireline Key:</p> <p> Meenbog Wind Farm</p>
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PHOTOMONTAGE

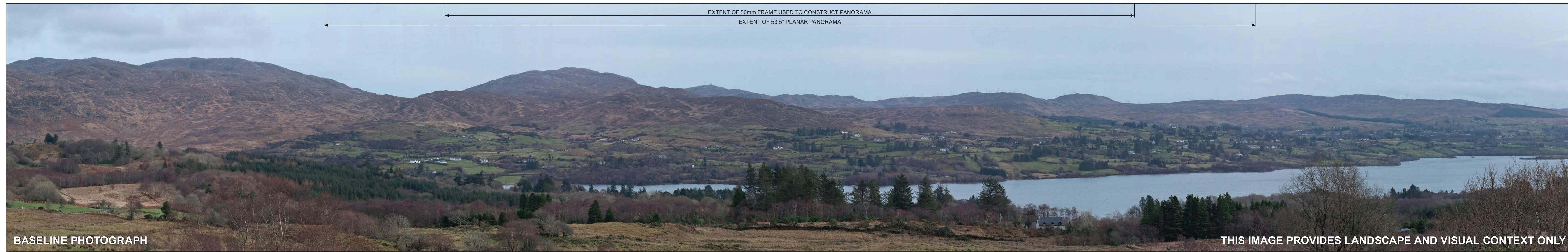
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (TNM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 604430E 892819N Ground Height: 239m AOD Direction of Centre of View: ³ 153° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 12/02/2017 Photography Time: 13:49	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T18 @ 6475m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 19
Image Size 820 x 260mm	QA TC / KA					
Paper Size 840 x 297mm	Rev -					
CAD-035IG Rev WCluster LVIA Visuals.indd						

Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland

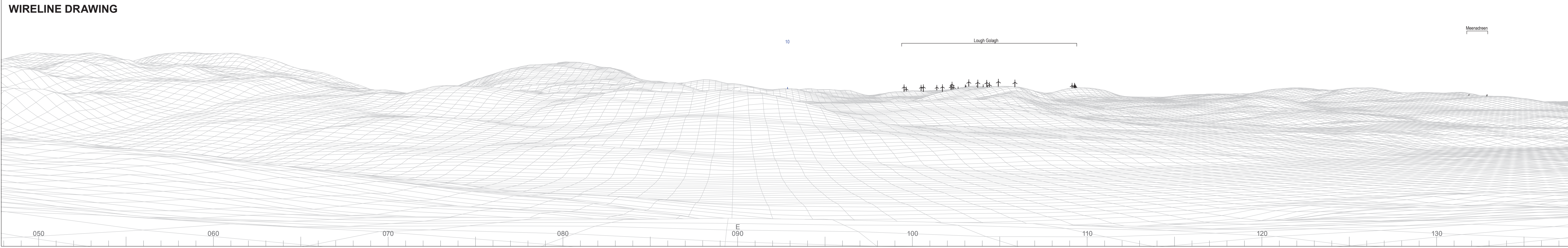


Meenbog Wind Farm
Viewpoint 11: View from Townland of Altnapaste
PHOTOMONTAGE VISUALISATION 11c

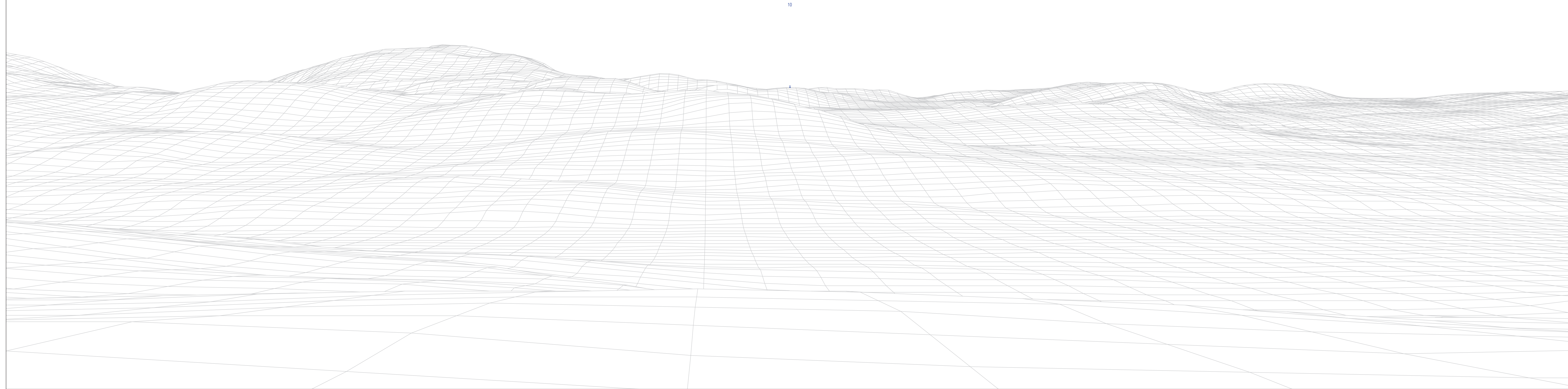


BASELINE PHOTOGRAPH

THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY



<p>Date DEC 2017</p> <p>Image Size 820 x 130mm</p> <p>Paper Size 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By JS</p> <p>QA TC / KA</p> <p>Rev -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 595442E 885217N</p> <p>Ground Height: 159m AOD</p> <p>Direction of Centre of View: 3 90°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 03/02/2017</p> <p>Photography Time: 14:11</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T10 @ 11334m</p> <p>Number of Sets of Tips Visible: 2 1</p> <p>Number of Hubs Visible: 2 0</p>	<p>Wireline Key:</p> <p> Meenbog Wind Farm</p> <p> Operational / Under Construction</p>
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Date DEC 2017 Image Size 820 x 260mm Paper Size 840 x 297mm CAD-035IG Rev WCluster LVIA Visuals.indd	By JS QA TC / KA Rev -		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000 Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland	Viewpoint Information: Grid Reference: 595442E 885217N Ground Height: 159m AOD Direction of Centre of View: ³ 90° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 03/02/2017 Photography Time: 14:11	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T10 @ 11334m Number of Sets of Tips Visible: ² 1 Number of Hubs Visible: ² 0	Wireline Key: Meenbog Wind Farm
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PHOTOMONTAGE

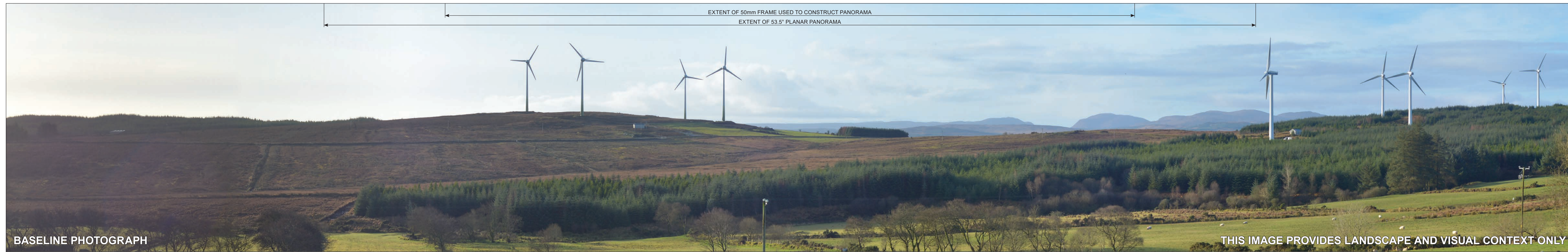
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (TM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 595442E 885217N Ground Height: 159m AOD Direction of Centre of View: ³ 90° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 03/02/2017 Photography Time: 14:11	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T10 @ 11334m Number of Sets of Tips Visible: ² 1 Number of Hubs Visible: ² 0
Image Size 820 x 260mm	QA TC / KA					
Paper Size 840 x 297mm	Rev -					
CAD-035IG Rev WCluster LVIA Visuals.indd						

Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland



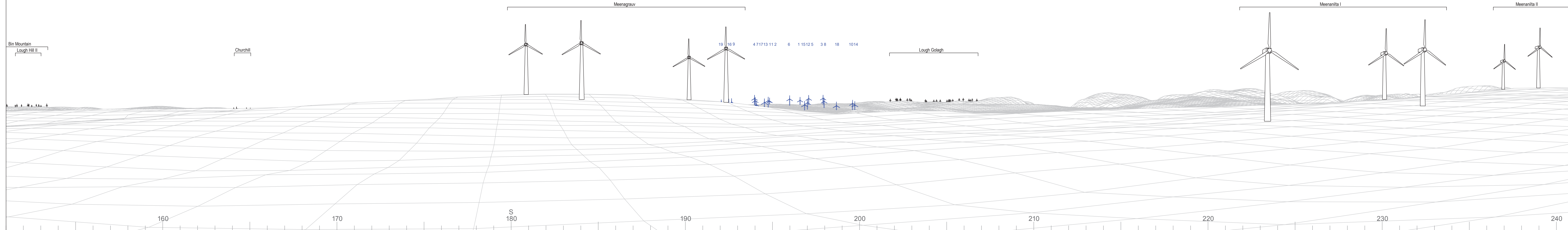
Meenbog Wind Farm
Viewpoint 12: View from Bluestacks Way in the in the
 Townland of Greenan
PHOTOMONTAGE VISUALISATION 12c



BASELINE PHOTOGRAPH

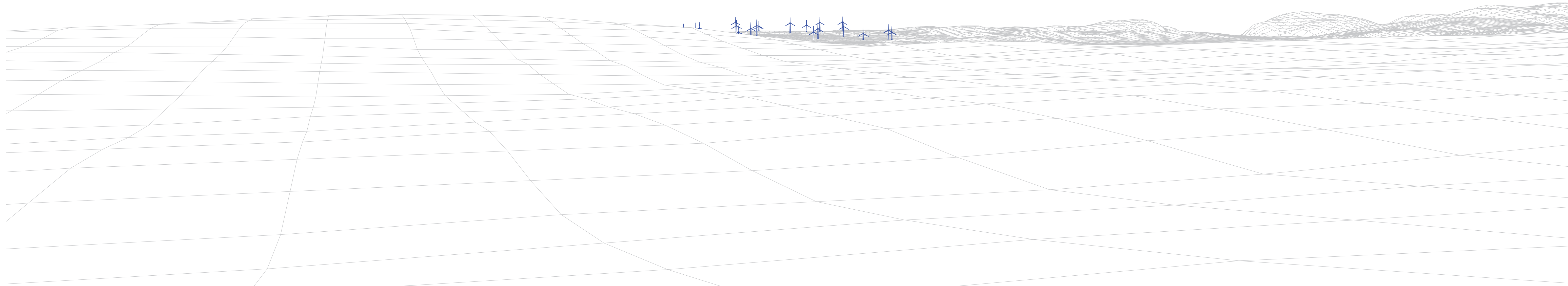
THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

WIRELINE DRAWING



<p>Date DEC 2017</p> <p>Image Size 820 x 130mm</p> <p>Paper Size 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By JS</p> <p>QA TC / KA</p> <p>Rev -</p>		<p>Notes:</p> <ol style="list-style-type: none"> 1) This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 612009E 900712N</p> <p>Ground Height: 211m AOD</p> <p>Direction of Centre of View: 3 196°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 03/02/2017</p> <p>Photography Time: 10:53</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T19 @ 13810m</p> <p>Number of Sets of Tips Visible: 2 19</p> <p>Number of Hubs Visible: 2 17</p>	<p>Wireline Key:</p> <p> Meenbog Wind Farm</p> <p> Operational / Under Construction</p>
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19 16 9 4 7 17 13 11 2 6 1 15 12 5 3 8 18 10 14



Date DEC 2017 Image Size 820 x 260mm Paper Size 840 x 297mm CAD-035IG Rev WCluster LVIA Visuals.indd	By JS QA TC / KA Rev -		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (GTM). 4) Location map scale: 1:50,000 Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland	Viewpoint Information: Grid Reference: 612009E 900712N Ground Height: 211m AOD Direction of Centre of View: ³ 196° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 03/02/2017 Photography Time: 10:53	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 13810m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 17	Wireline Key: Meenbog Wind Farm
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PHOTOMONTAGE

VIEW FLAT AT A COMFORTABLE ARM'S LENGTH
IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (GTM). 4) Location map scale: 1:50,000
Image Size 820 x 260mm	QA TC / KA		
Paper Size 840 x 297mm	Rev -		
CAD-035IG Rev WCluster LVIA Visuals.indd			
Viewpoint Information: Grid Reference: 612009E 900712N Ground Height: 211m AOD Direction of Centre of View: ³ 196° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm		Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 03/02/2017 Photography Time: 10:53	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 13810m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 17

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STEPHENSON HALLIDAY
ENVIRONMENTAL AND LANDSCAPE PLANNING



Meenbog Wind Farm

Viewpoint 13: View from Local road in the Townland of Magheravall

PHOTOMONTAGE VISUALISATION 13c

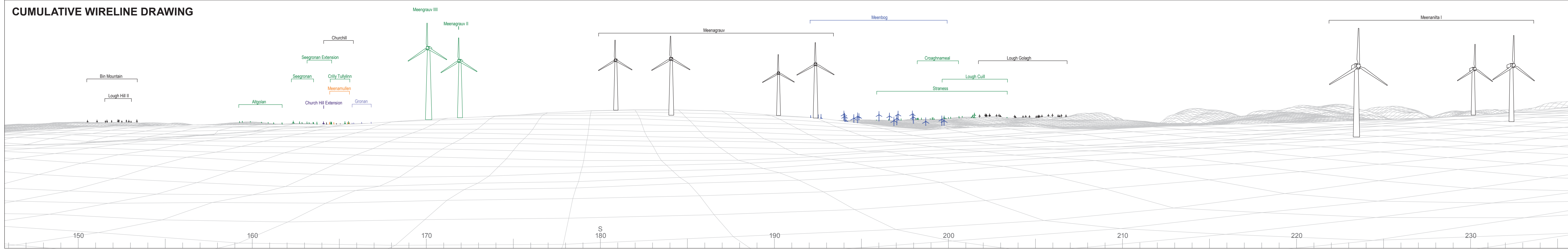
EXTENT OF 50mm FRAME USED TO CONSTRUCT PANORAMA



BASELINE PHOTOGRAPH

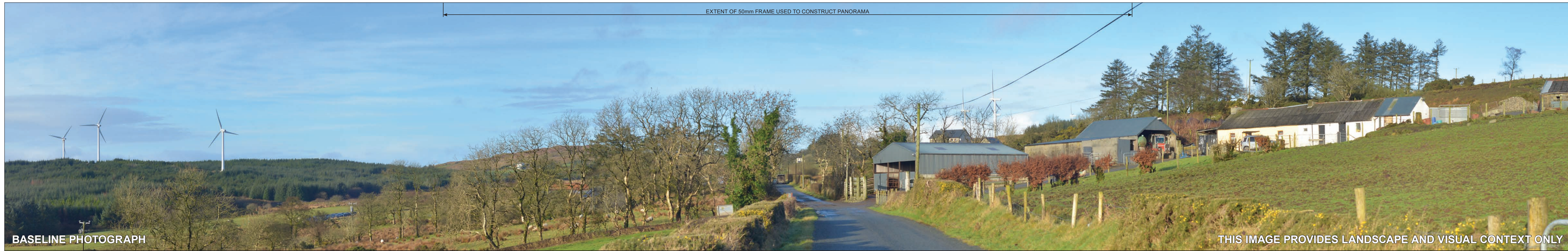
THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

CUMULATIVE WIRELINE DRAWING



<p>Date: NOV 2017</p> <p>Image Size: 820 x 130mm</p> <p>Paper Size: 840 x 297mm</p>	<p>By: JS</p> <p>QA: TC / KA</p> <p>Rev: -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 612009E 900712N</p> <p>Ground Height: 211m AOD</p> <p>Direction of Centre of View: 196°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 03/02/2017</p> <p>Photography Time: 10:53</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T19 @ 13810m</p> <p>Number of Sets of Tips Visible: 19</p> <p>Number of Hubs Visible: 17</p>	<p>Wireline Key:</p> <ul style="list-style-type: none"> Meenbog Wind Farm Operational / Under Construction Consented Proposals (each proposal is illustrated using different colours)
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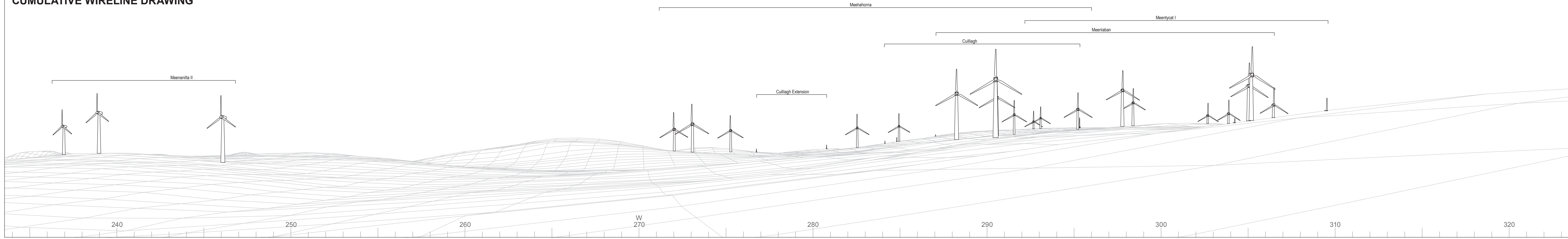
EXTENT OF 50mm FRAME USED TO CONSTRUCT PANORAMA



BASELINE PHOTOGRAPH

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CUMULATIVE WIRELINE DRAWING



Date NOV 2017	By JS		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000
Image Size 820 x 130mm	QA TC / KA		
Paper Size 840 x 297mm	Rev -	<p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	

Viewpoint Information:	
Grid Reference:	612009E 900712N
Ground Height:	211m AOD
Direction of Centre of View: °	286°
Horizontal Field of View:	90°
Vertical Field of View:	14.2°
Principal Distance:	522mm

Photography Information:	
Camera:	Nikon D600
Lens:	50mm Fixed Focal Length
Camera Height:	1.5m
Photography Date:	03/02/2017
Photography Time:	10:53

Meenbog Wind Farm Layout Information:	
Layout:	LCAD016G.WFL
Hub Height:	100m
Height to Blade Tip:	156.5m
Nearest Visible Turbine:	T19 @ 13810m
Number of Sets of Tips Visible: °	19
Number of Hubs Visible: °	17

Wireline Key:	
	Meenbog Wind Farm
	Operational / Under Construction
	Consented
	Proposals (each proposal is illustrated using different colours)

Meenbog Wind Farm	
Viewpoint 13: View from Local road in the townland of Magheravall	
CUMULATIVE VISUALISATION 13e	

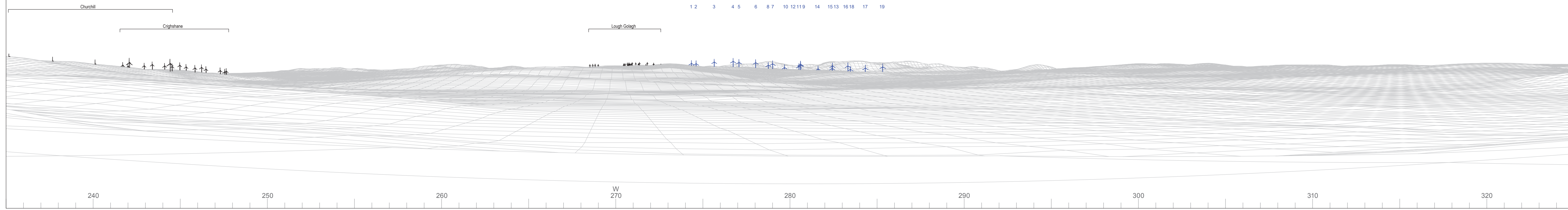




BASELINE PHOTOGRAPH

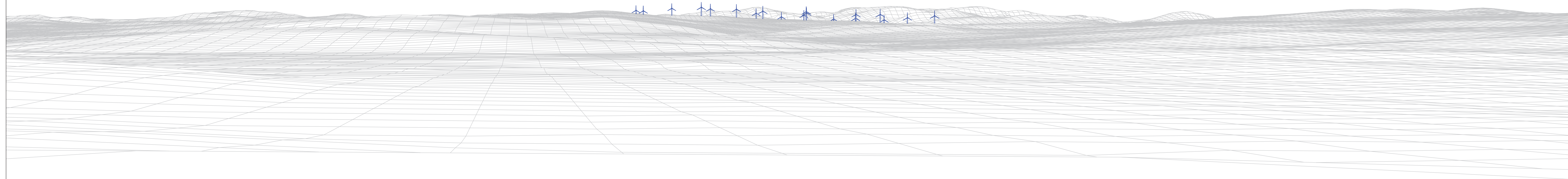
THIS IMAGE PROVIDES LANDSCAPE AND VISUAL CONTEXT ONLY

WIRELINE DRAWING



<p>Date DEC 2017</p> <p>Image Size 820 x 130mm</p> <p>Paper Size 840 x 297mm</p> <p>CAD-035IG Rev WCluster LVIA Visuals.indd</p>	<p>By JS</p> <p>QA TC / KA</p> <p>Rev -</p>		<p>Notes:</p> <ol style="list-style-type: none"> This visualisation is a cylindrical projection panorama. It provides landscape and visual context only. Ignores screening effects of woodland and other intervening objects. All directions given as bearings relative to Grid North (ITM). Location map scale: 1:50,000 <p>Ordnance Survey Ireland Licence No. AR 0119716 © Ordnance Survey Ireland/Government of Ireland</p>	<p>Viewpoint Information:</p> <p>Grid Reference: 625249E 882788N</p> <p>Ground Height: 95m AOD</p> <p>Direction of Centre of View: ³ 280°</p> <p>Horizontal Field of View: 90°</p> <p>Vertical Field of View: 14.2°</p> <p>Principal Distance: 522mm</p>	<p>Photography Information:</p> <p>Camera: Nikon D600</p> <p>Lens: 50mm Fixed Focal Length</p> <p>Camera Height: 1.5m</p> <p>Photography Date: 31/01/2017</p> <p>Photography Time: 14:26</p>	<p>Meenbog Wind Farm Layout Information:</p> <p>Layout: LCAD016G.WFL</p> <p>Hub Height: 100m</p> <p>Height to Blade Tip: 156.5m</p> <p>Nearest Visible Turbine: T19 @ 16720m</p> <p>Number of Sets of Tips Visible: ² 19</p> <p>Number of Hubs Visible: ² 19</p>	<p>Wireline Key:</p> <p> Meenbog Wind Farm</p> <p> Operational / Under Construction</p>
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1 2 3 4 5 6 8 7 10 12 11 9 14 15 13 16 18 17 19



Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 625249E 882788N Ground Height: 95m AOD Direction of Centre of View: ³ 280° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 31/01/2017 Photography Time: 14:26	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 16720m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 19	Wireline Key: Meenbog Wind Farm
Image Size 820 x 260mm	QA TC / KA						
Paper Size 840 x 297mm	Rev -						

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ENVIRONMENTAL AND LANDSCAPE PLANNING





PHOTOMONTAGE

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IF VIEWING THIS IMAGE ON A SCREEN, ENLARGE TO FULL SCREEN HEIGHT**

Date DEC 2017	By JS		Notes: 1) This visualisation is a planar projection panorama. View flat at a comfortable arm's length. 2) Ignores screening effects of woodland and other intervening objects. 3) All directions given as bearings relative to Grid North (ITM). 4) Location map scale: 1:50,000	Viewpoint Information: Grid Reference: 625249E 882788N Ground Height: 95m AOD Direction of Centre of View: ³ 280° Horizontal Field of View: 53.5° Vertical Field of View: 18.2° Principal Distance: 812.5mm	Photography Information: Camera: Nikon D600 Lens: 50mm Fixed Focal Length Camera Height: 1.5m Photography Date: 31/01/2017 Photography Time: 14:26	Meenbog Wind Farm Layout Information: Layout: LCAD016G.WFL Hub Height: 100m Height to Blade Tip: 156.5m Nearest Visible Turbine: T19 @ 16720m Number of Sets of Tips Visible: ² 19 Number of Hubs Visible: ² 19
Image Size 820 x 260mm	QA TC / KA					
Paper Size 840 x 297mm	Rev -					
CAD-035IG Rev WCluster LVIA Visuals.indd						

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Meenbog Wind Farm
Viewpoint 14: View from the B72 south of Castlederg
PHOTOMONTAGE VISUALISATION 14c