



macroworks

VOLUME 7B1 SLVIA PHOTOMONTAGES

NISA

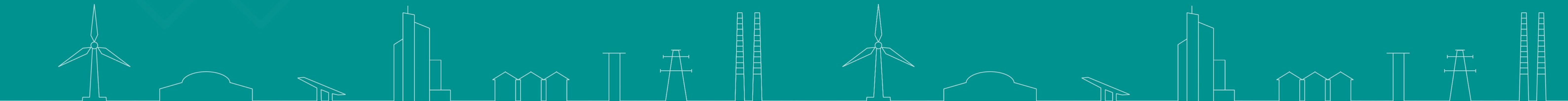
North Irish Sea Array

North Irish Sea Array Offshore Wind Farm

Book 4 of 4 (Project Option 2: 35 Turbine Layout) - VPs 24-47

This book contains imagery for the viewpoints chosen for the SLVIA study

May 2024



LVIA | TVIA | Landscape Design | Visibility Analysis | Glint and Glare | Verified Photomontages | CGI | Shadow Flicker Analysis

EIAR Volume	Description
Volume 1: Non-Technical Summary	
Volume 2: Introductory Chapters	
Volume 3: Offshore Chapters	
Volume 4: Onshore Chapters	
Volume 5: Wider Scheme Aspect	
Volume 6: Summary Chapters	
Volume 7A: Figures	
Volume 7B: Photomontages	
Volume 7B1	SLVIA Photomontages (NISA Offshore Wind Farm)
Volume 7B2	LVIA Photomontages (NISA Grid Facility)
Volume 8: Appendices (Introductory)	
Volume 9: Appendices (Offshore)	
Volume 10: Appendices (Onshore)	
Volume 11: Appendices (Wider Scheme)	
Volume 12: Appendices (Summary)	

Volume 7B1: SLVIA Photomontages (NISA Offshore Wind Farm)	
Book 1 of 4	Project Option 1: 49 Turbine Layout. VP1 - VP23
Book 2 of 4	Project Option 1: 49 Turbine Layout. VP24 - VP47
Book 3 of 4	Project Option 2: 35 Turbine Layout. VP1 - VP23
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Volume 7B1: SLVIA Photomontages: North Irish Sea Array Offshore Wind Farm - Full Index of Imagery

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Page 1: Baseline (Contextual Wireline and Photo)
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VP2: Ballymartin, Co. Down (NI)
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VP16: Bettystown Beach, Co. Meath
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VP23: Ardgillan Castle grounds, Co. Fingal
Page 1: Baseline (Contextual Wireline and Photo)
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VP24: Amenity Area, Skerries, Co. Fingal
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VP25: Loughshinny, Co. Fingal
Page 1: Baseline (Contextual Wireline and Photo)
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VP26: Coast Road, Rush, Co. Fingal
Page 1: Baseline (Contextual Wireline and Photo)
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Page 1: Baseline (Contextual Wireline and Photo)
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Page 3: Wireline
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VP34: Great South Wall at Poolbeg Lighthouse (Dublin City County)
Page 1: Baseline (Contextual Wireline and Photo)
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VP35: Promenade, Sandymount (Dublin City County)
Page 1: Baseline (Contextual Wireline and Photo)
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VP36: Lambay Island - Summit, Co. Dublin (Fingal)
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VP37: Lambay Island - Pier, Co. Dublin (Fingal)
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VP38: Annalong, Co. Down (NI)
Page 1: Baseline (Contextual Wireline and Photo)

VP39: Deer Park, Dublin (Dun Laoghaire-Rathdown)
Page 1: Baseline (Contextual Wireline and Photo)

VP40: Blackrock Park, Dublin (Dun Laoghaire-Rathdown)
Page 1: Baseline (Contextual Wireline and Photo)

VP41: Coast Road, Monkstown (Dun Laoghaire-Rathdown)
Page 1: Baseline (Contextual Wireline and Photo)

VP42: East Pier, Dun Laoghaire (Dun Laoghaire-Rathdown)
Page 1: Baseline (Contextual Wireline and Photo)
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VP43: Forty Foot, Sandycove, (Dun Laoghaire-Rathdown),
Page 1: Baseline (Contextual Wireline and Photo)

VP44: Dalkey Hill, (Dun Laoghaire-Rathdown) Dublin
Page 1: Baseline (Contextual Wireline and Photo)

VP45: Three Rock Mountain, (Dun Laoghaire-Rathdown County), Dublin
Page 1: Baseline (Contextual Wireline and Photo)
Page 2: Baseline (Contextual Wireline and Photo)

VP46: Bray Head, (Co. Wicklow)
Page 1: Baseline (Contextual Wireline and Photo)

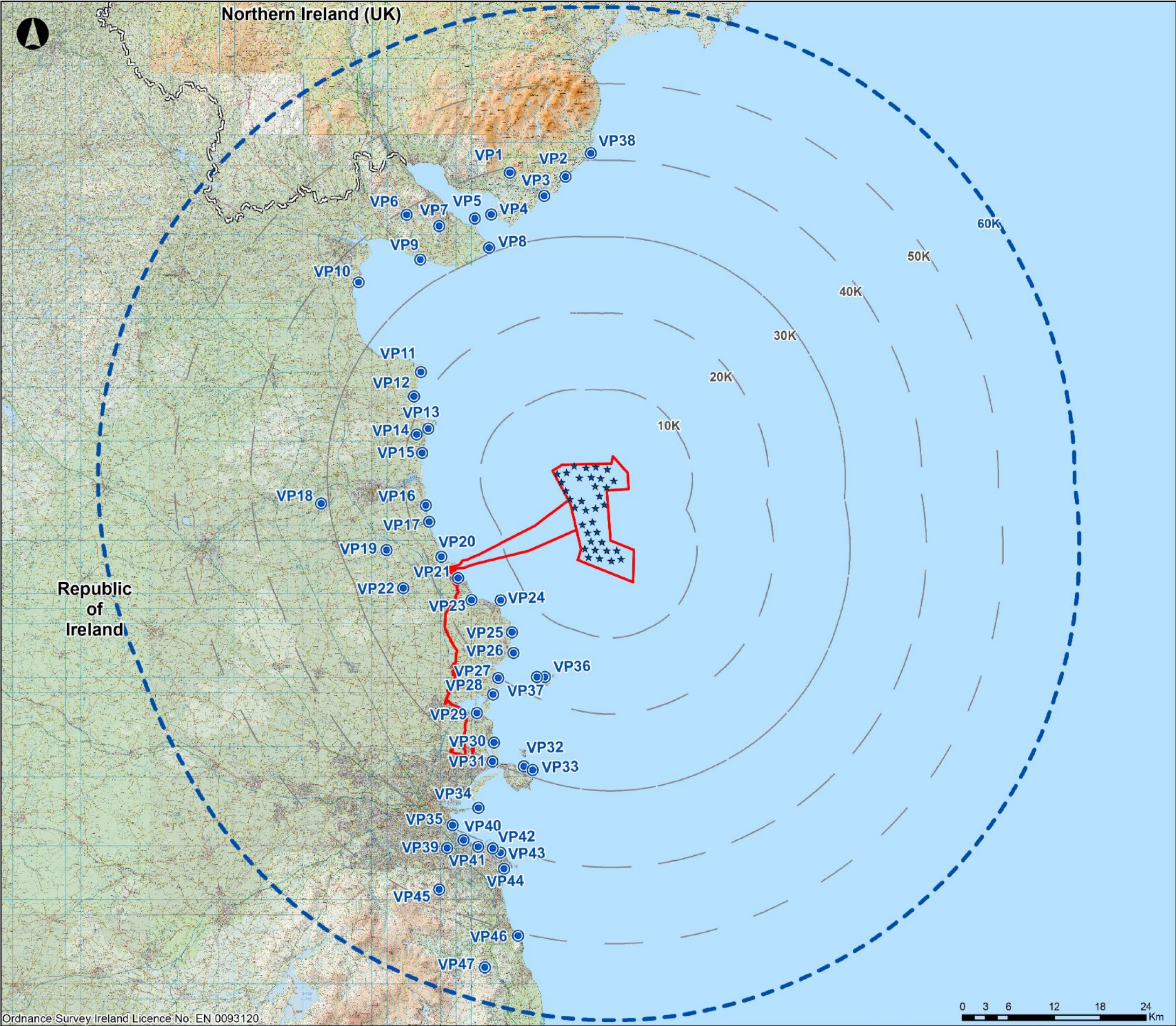
VP47: Sugar Loaf Summit, (Co. Wicklow)
Page 1: Baseline (Contextual Wireline and Photo)

Marine and Aviation Transport Corridor Wireframes Index of Imagery

Ferry - Dublin to Douglas
Page 1: Pt 1 & Pt 2 Wireline

Ferry - Dublin to Hollyhead
Page 1: Pt 1 & Pt 2 Wireline

Aircraft - London GTW to Dublin
Page 1: Pt 1 & Pt 2 Wireline



Ordnance Survey Ireland Licence No: EN 0093120

Legend

- Proposed Development Boundary
- Viewpoint Locations (Offshore assessment)
- 60 Km Extent
- ROI - NI (UK) Border
- Project Option 2 Turbines

NISA
North Irish Sea Array

ARUP GObE

Project

North Irish Sea Array
Offshore Wind Farm

Figure Title

Viewpoint Location Map

Job No: 0000

Date: 2024/05/01

Scale: 1:470,000

Status: Final

Figure No:

29.7b

VP24: Amenity Area, Skerries, Co. Fingal

Page 1: Baseline (Contextual Wireline and Photo)
Page 2: Baseline (Contextual Wireline and Photo)
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Page 4: Photomontage
Page 5: Night - Time Photomontage

VP25: Loughshinny, Co. Fingal

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Marine and Aviation Transport Corridor Wireframes
Project Option 2: 35 Turbine Layout

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Ferry - Dublin to Douglas

Page 1: Pt 1 & Pt 2 Wireline

Ferry - Dublin to Hollyhead

Page 1: Pt 1 & Pt 2 Wireline

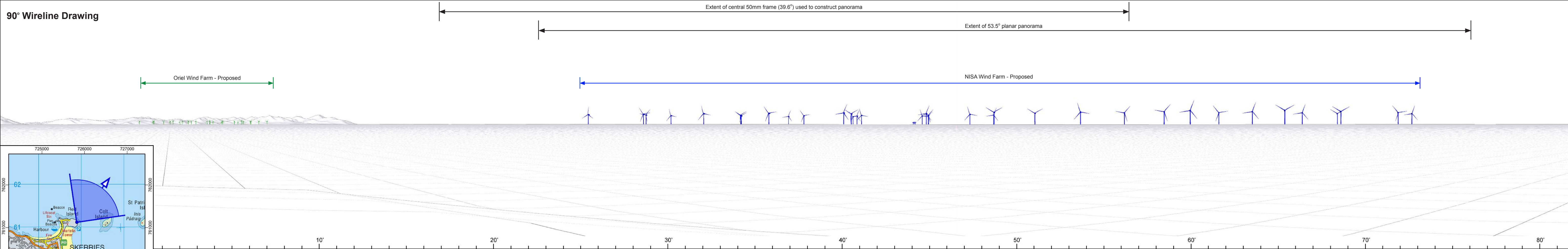
Aircraft - London GTW to Dublin

Page 1: Pt 1 & Pt 2 Wireline



90° Baseline Photograph

90° Wireline Drawing



VP24 (View 1) Baseline Photo and Wireline
Amenity Area Skerries (Fingal),
Co. Dublin

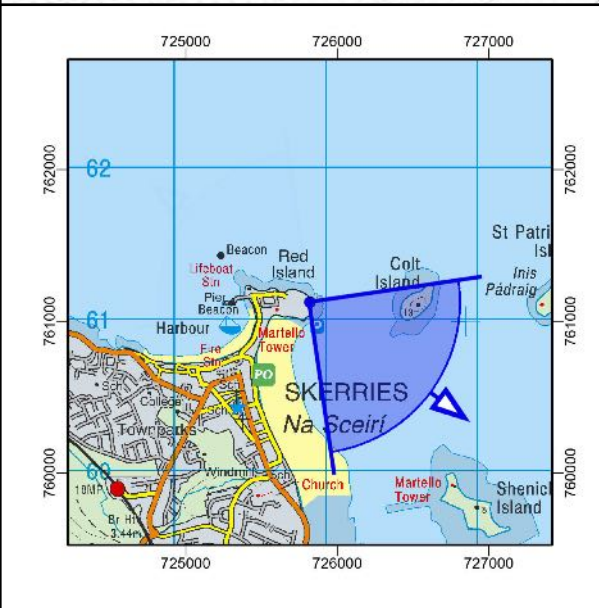
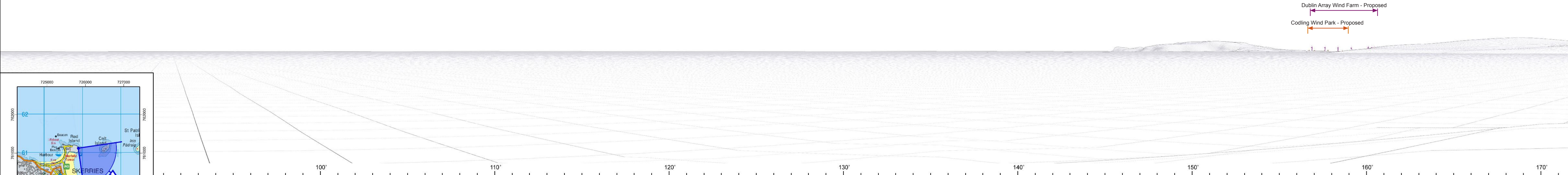
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Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 14:38	Distance to Nearest	12.7 km	Date	May 2024

Project:	Client:	LVIA Consultant:
North Irish Sea Array Offshore Wind Farm	NISA North Irish Sea Array	



90° Baseline Photograph

90° Wireline Drawing



VP24 (View 2) Baseline Photo and Wireline
Amenity Area Skerries (Fingal),
Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	725820	Prepared by	NH
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Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 14:38	Distance to Nearest	12.7 km	Date	May 2024

Project:

North Irish Sea Array
Offshore Wind Farm

Client:

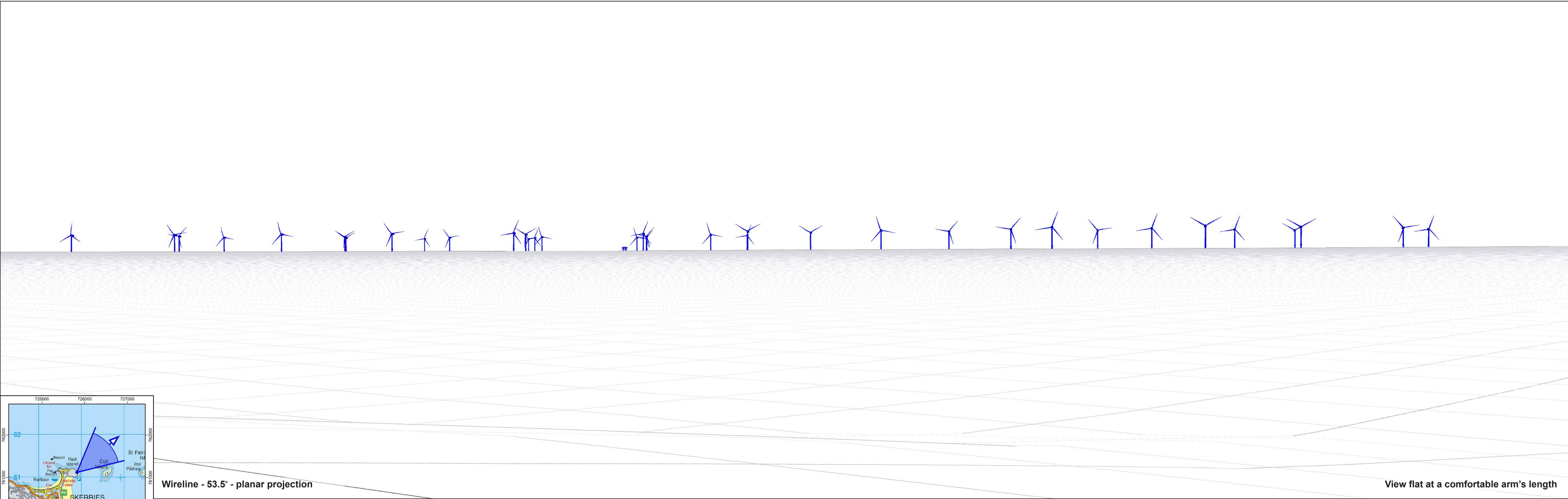
NISA

North Irish Sea Array

LVIA Consultant:

macroworks

OPEN-GRID



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP24 Wireline
Amenity Area Skerries (Fingal),
Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	725820	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	761125	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	12.7 km	Date	May 2024


Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
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Photomontage - 53.5° - planar projection

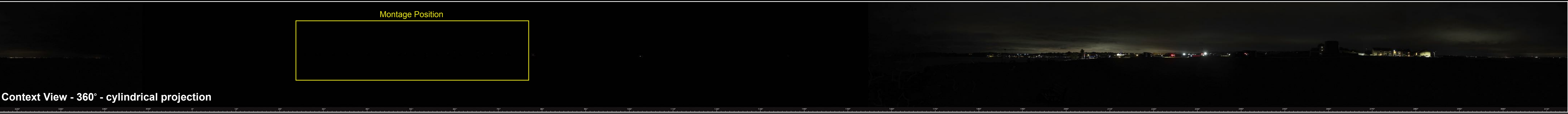
View flat at a comfortable arm's length



VP24 Photomontage Amenity Area Skerries (Fingal), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	725820	Created by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
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	Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	8 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 14:38	Distance to Nearest	12.7 km	Date	May 2024			

Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length



Context View - 360° - cylindrical projection

VP24 Nighttime Photomontage
Amenity Area, Skerries (Fingal), Co. Dublin

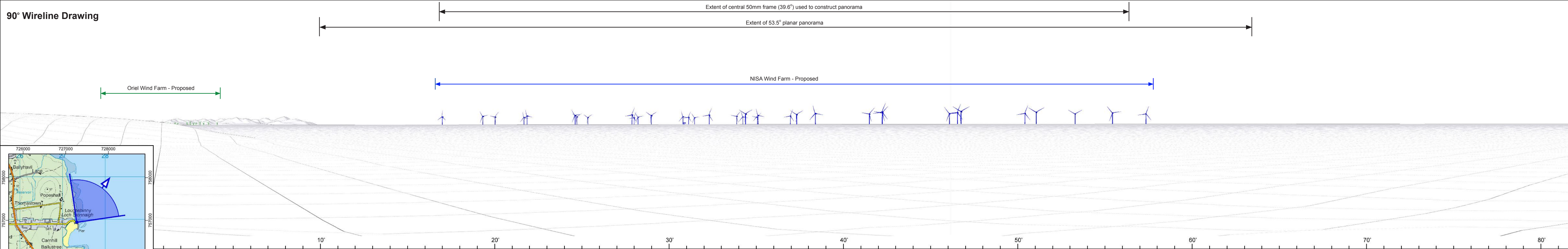
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Blade Tip Height	316.0 m	Date / Time of Capture	10-Oct-23 - 22:49	Distance to Nearest	17.8 km	Date	May 2024

Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant:
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90° Baseline Photograph

90° Wireline Drawing



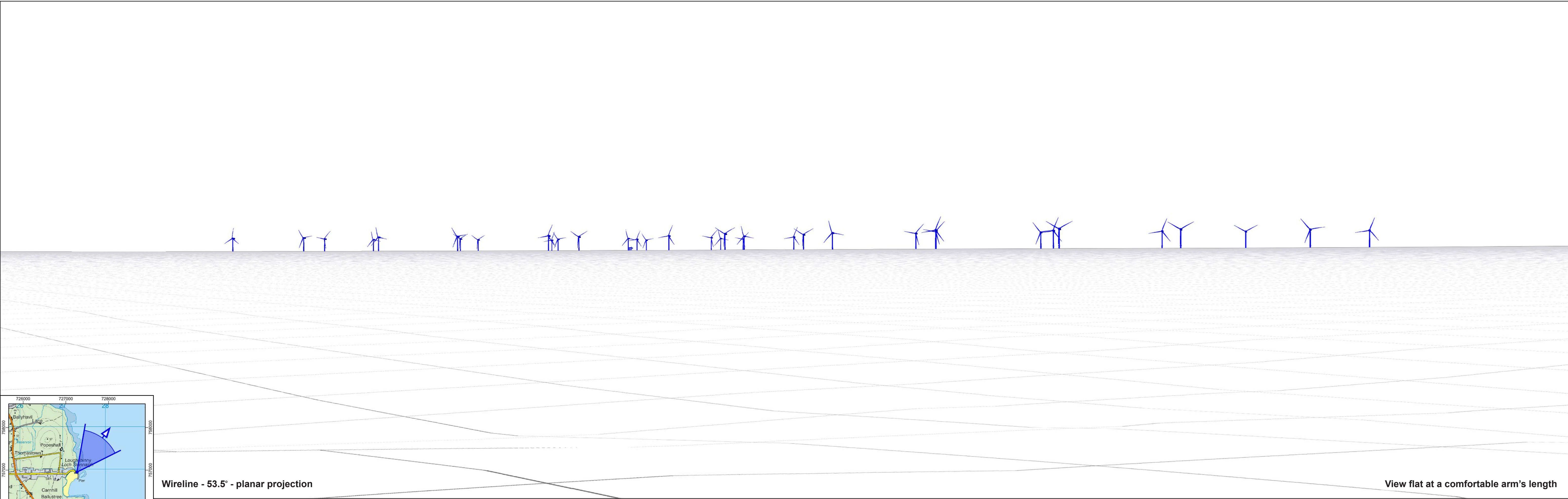
VP25 (View 1) Baseline Photo and Wireline
Loughshinny (Fingal), Co. Dublin

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Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	4.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	26-May-23 - 14:48	Distance to Nearest	14.0 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

Client:
NISA
North Irish Sea Array

LVIA Consultant:

Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP25	Wireline
Loughshinny (Fingal), Co. Dublin	

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	727260	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	756955	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	4.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	14.0 km	Date	May 2024

Project:	Client:	LVIA Consultant:
North Irish Sea Array Offshore Wind Farm		



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP25 Photomontage
Loughshinny (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	727260	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	756955	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	4.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	26-May-23 - 14:48	Distance to Nearest	14.0 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

Client:
NISA
North Irish Sea Array

LVIA Consultant:


Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length



Context View - 360° - cylindrical projection

VP25 Nighttime Photomontage
Loughshinny (Fingal), Co. Dublin

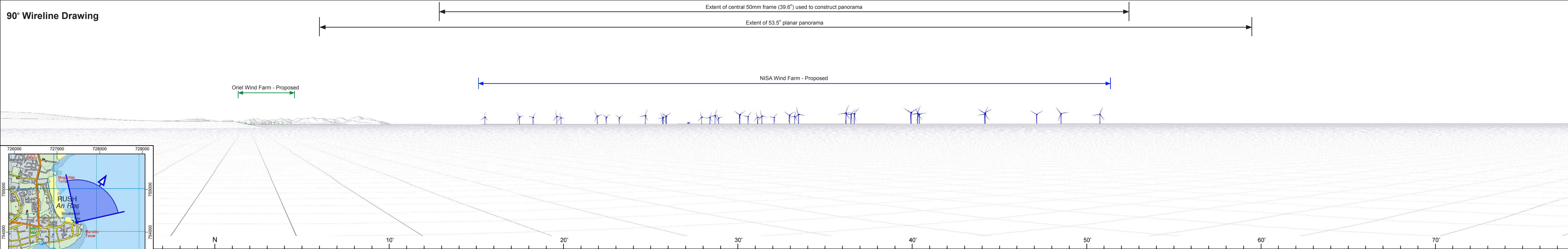
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Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant:
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90° Baseline Photograph

90° Wireline Drawing



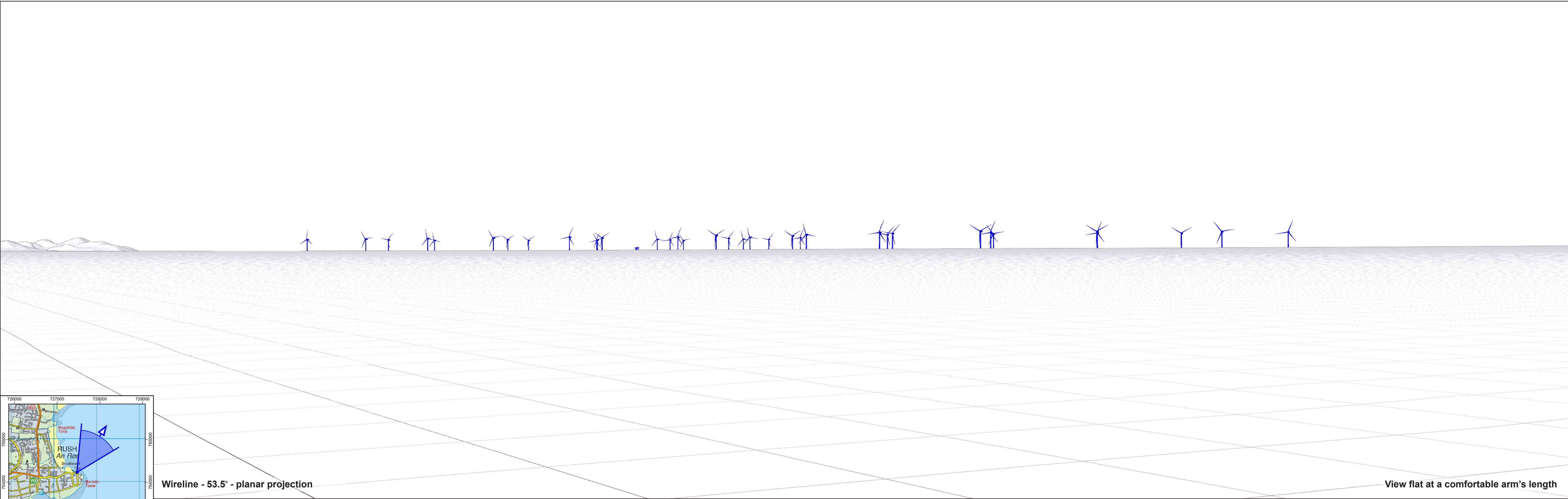
VP26 Baseline Photo and Wireline
**Coast Road Rush (Fingal),
Co. Dublin**

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Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 15:19	Distance to Nearest	15.9 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

Client:
NISA
North Irish Sea Array

LVIA Consultant:

Wireline - 53.5° - planar projection


View flat at a comfortable arm's length

VP26 Wireline Coast Road Rush (Fingal), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	727465	Created by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: <div>NISA North Irish Sea Array</div>	LVIA Consultant: <div>macroworks APEM Group</div>
	Hub Height	178.0 m	Lens	N/A	Northing (ITM)	754233	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	9.2 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	15.9 km	Date	May 2024			



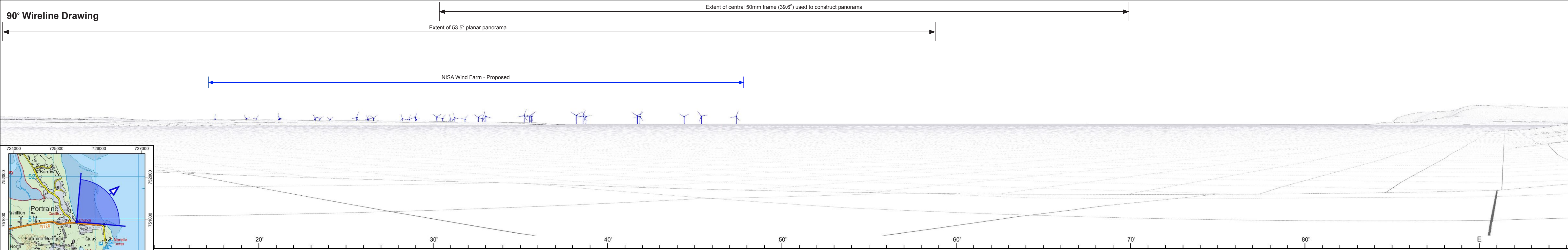
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP26 Coast Road Rush (Fingal), Co. Dublin	Photomontage		Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	727465	Created by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
			Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	754233	Checked by	RB			
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			Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 15:19	Distance to Nearest	15.9 km	Date	May 2024			



90° Baseline Photograph



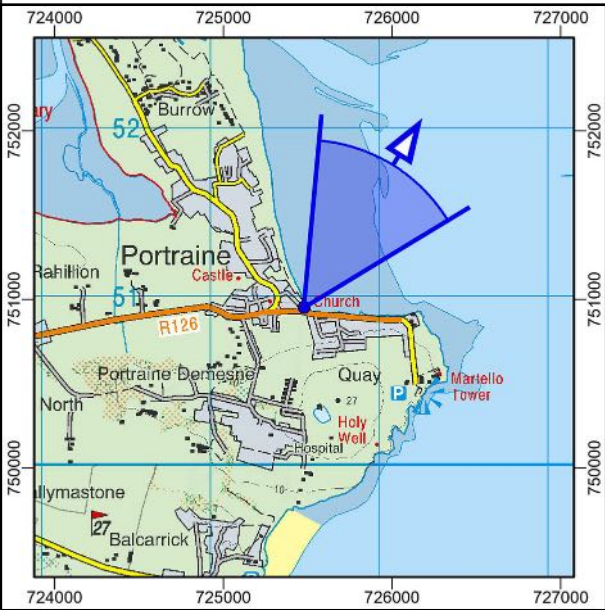
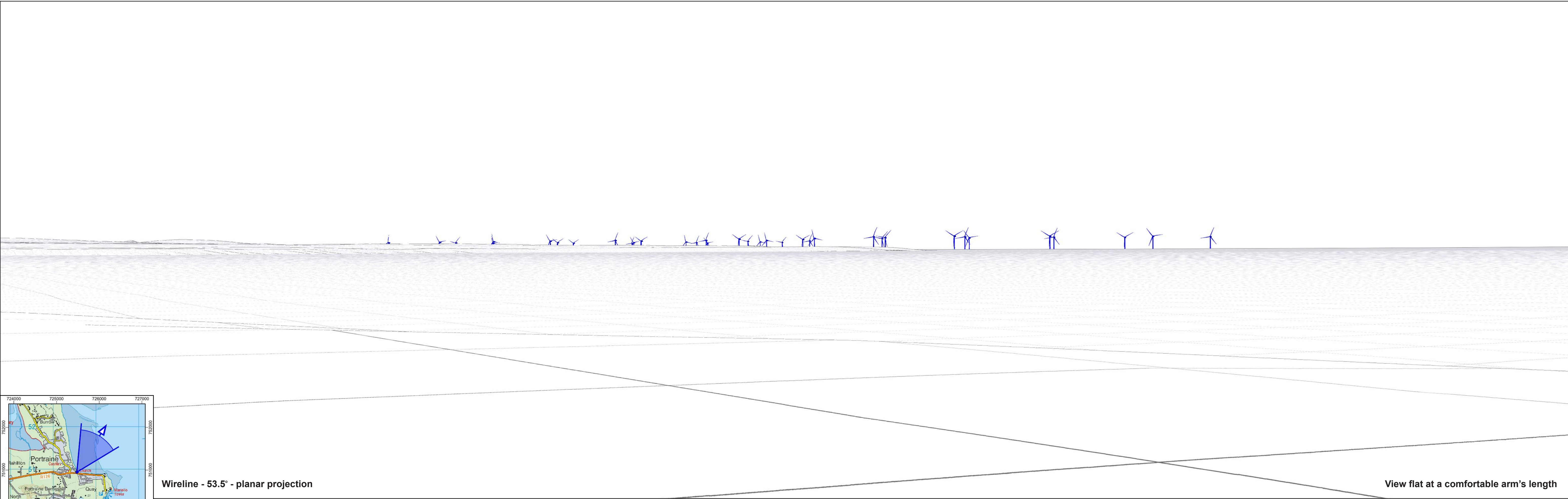
VP27 Baseline Photo and Wireline
Portrane (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	725479	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	750952	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	5.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 15:54	Distance to Nearest	19.7 km	Date	May 2024

Project: **North Irish Sea Array
Offshore Wind Farm**

Client: **NISA**
North Irish Sea Array

LVIA Consultant: 



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP27	Wireline
Portrane (Fingal), Co. Dublin	

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	725479	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	750952	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	5.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	19.7 km	Date	May 2024

Project:	Client:	LVIA Consultant:
North Irish Sea Array Offshore Wind Farm		



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

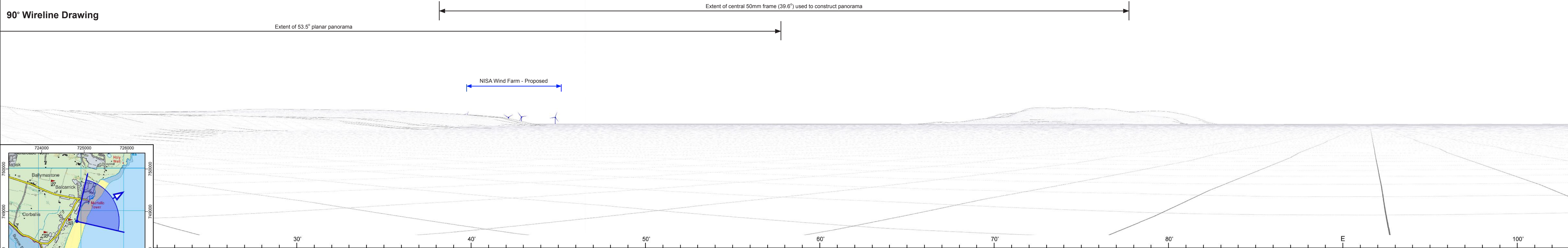
VP27 Photomontage
Portrane (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	725479	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	750952	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	5.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 15:54	Distance to Nearest	19.7 km	Date	May 2024

Project:	North Irish Sea Array Offshore Wind Farm	Client:	NISA <i>North Irish Sea Array</i>	LVIA Consultant:	
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90° Baseline Photograph



VP28 (View 1) Baseline Photo and Wireline Donabate Beach (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724825	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	748773	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	2.3 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	26-May-23 - 13:49	Distance to Nearest	21.8 km	Date	May 2024

Project:

North Irish Sea Array Offshore Wind Farm

Client:

NISA

North Irish Sea Array

LVIA Consultant:

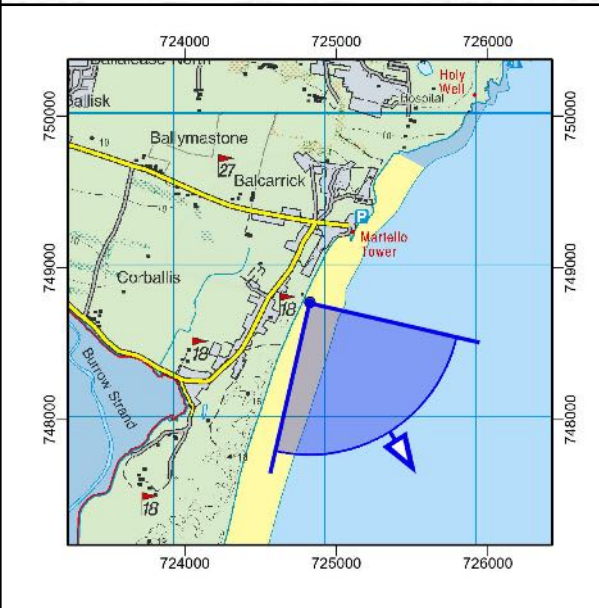
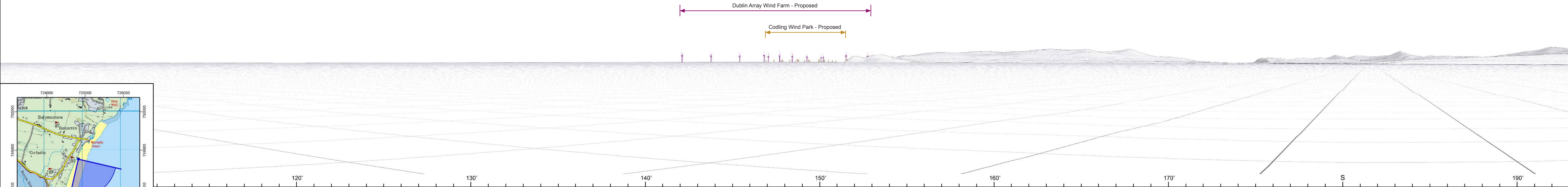
macroworks

APTEM GROUP



90° Baseline Photograph

90° Wireline Drawing



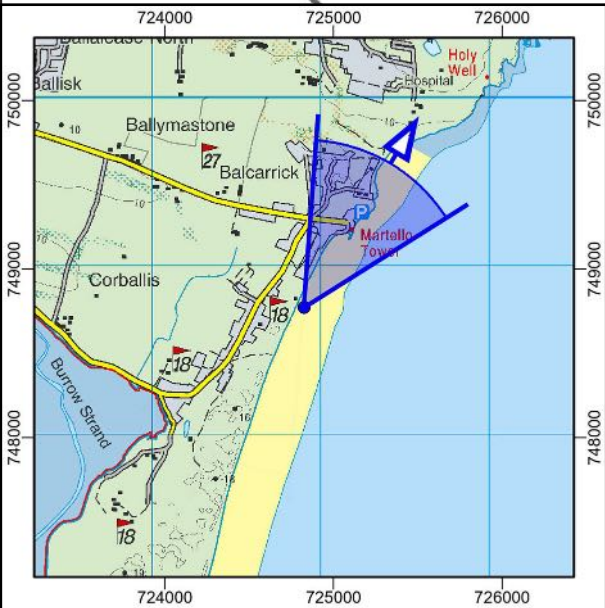
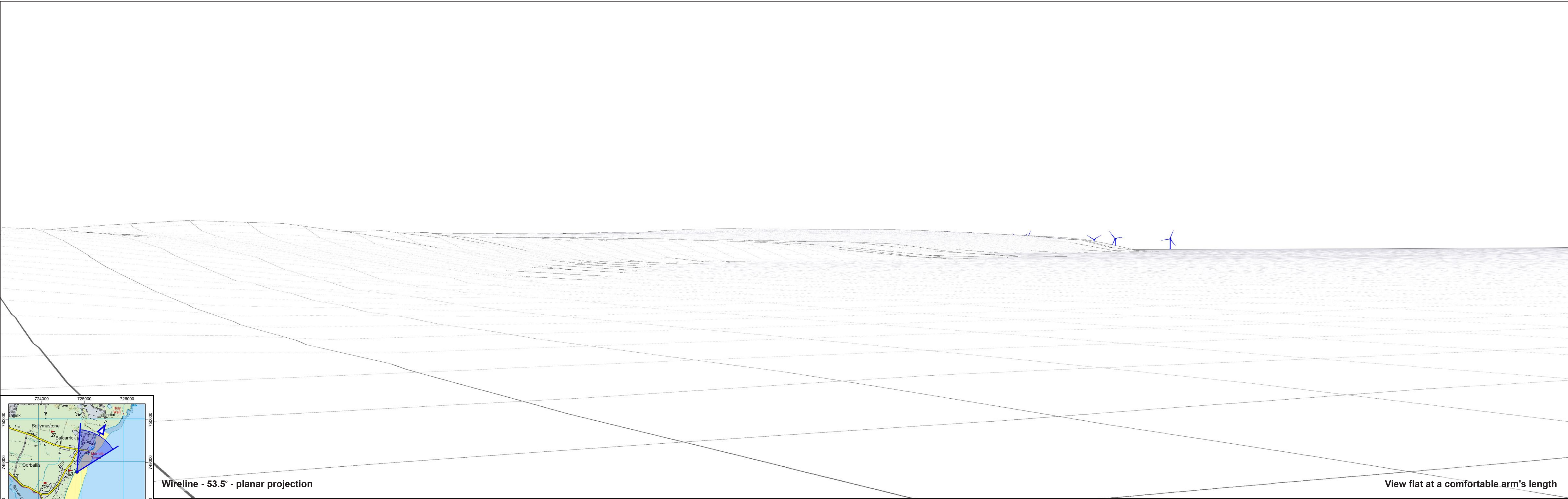
VP28 (View 2) Baseline Photo and Wireline
Donabate Beach (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724825	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	748773	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	2.3 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	26-May-23 - 13:49	Distance to Nearest	21.8 km	Date	May 2024

Project:
North Irish Sea Array
Offshore Wind Farm

Client:
NISA
North Irish Sea Array

LVIA Consultant:



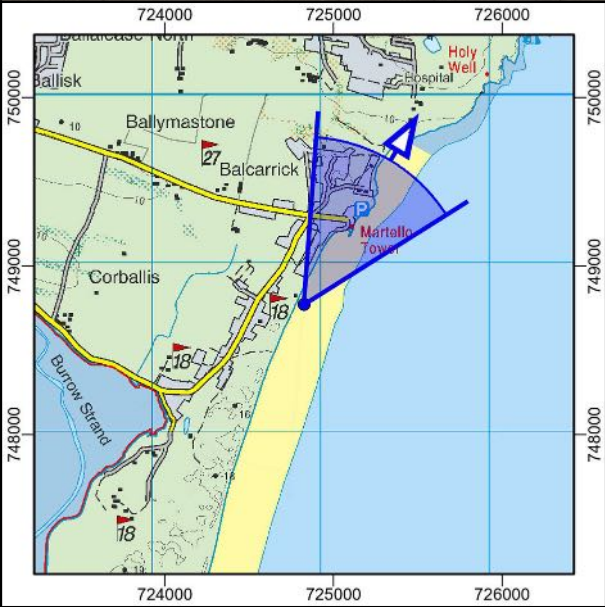
Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP28 Wireline
Donabate Beach (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	724825	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	748773	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	2.3 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	21.8 km	Date	May 2024

Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
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Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP28 Photomontage
Donabate Beach (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724825	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	748773	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	2.3 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	26-May-23 - 13:49	Distance to Nearest	21.8 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

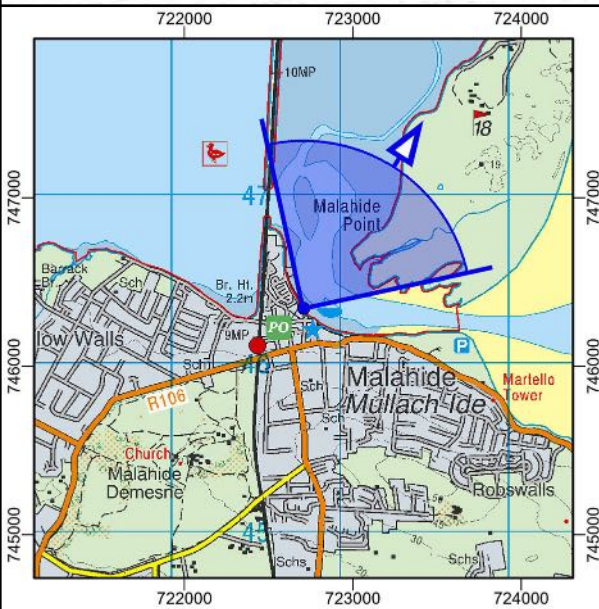
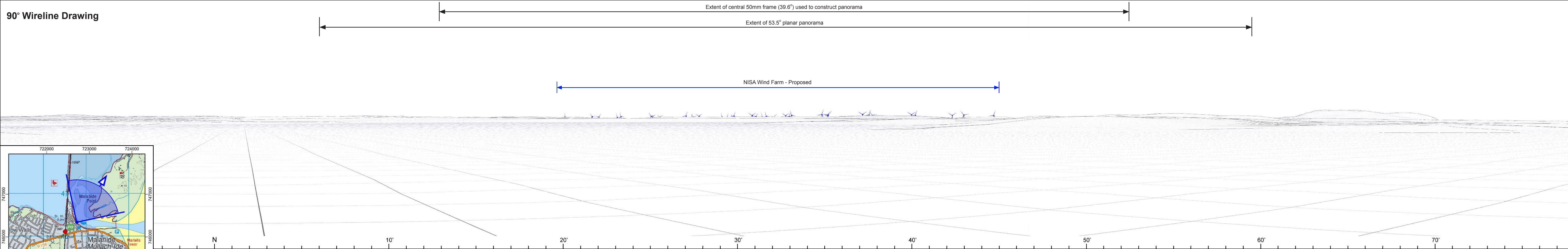
Client:
NISA
North Irish Sea Array

LVIA Consultant:




90° Baseline Photograph

90° Wireline Drawing



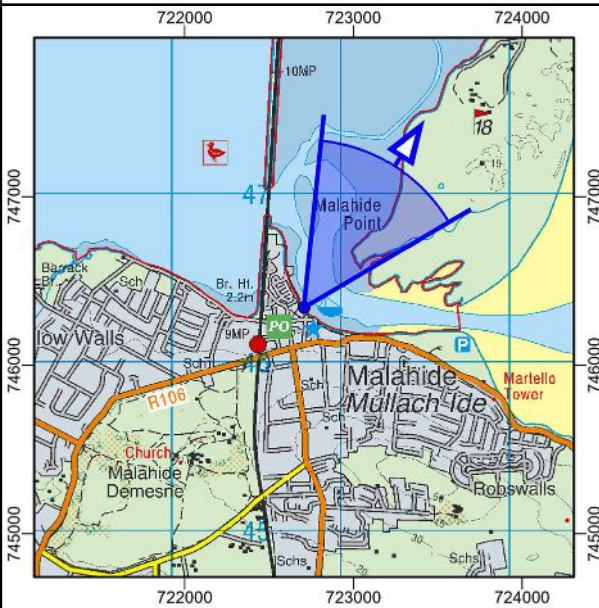
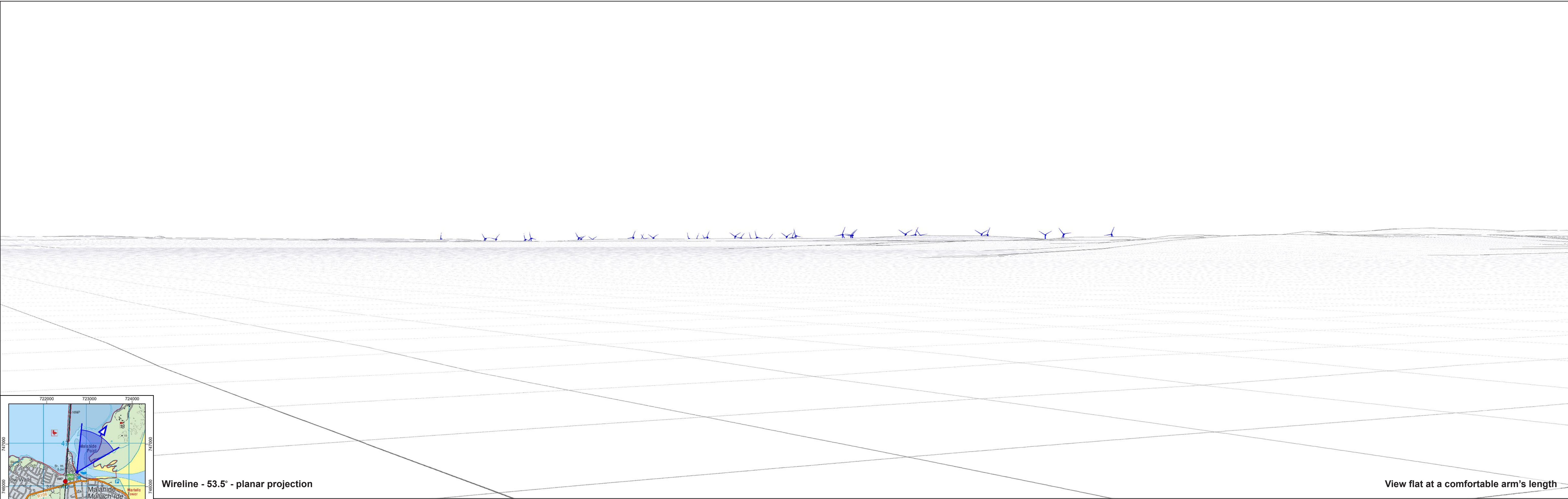
VP29 Baseline Photo and Wireline
Malahide (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	722708	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	746343	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	3.1 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	18-Nov-22 - 12:40	Distance to Nearest	25.1 km	Date	May 2024

Project: **North Irish Sea Array
Offshore Wind Farm**

Client: **NISA**
North Irish Sea Array

LVIA Consultant: 



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

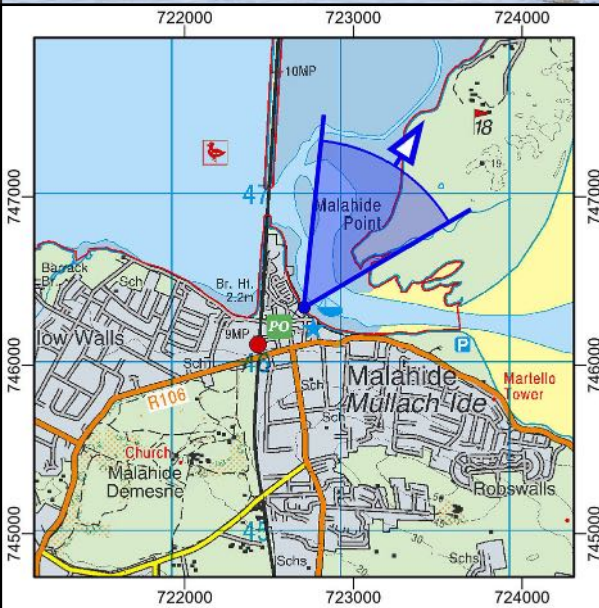
VP29	Wireline
Malahide (Fingal), Co. Dublin	

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	722708	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	746343	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	3.1 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	25.1 km	Date	May 2024

Project:	North Irish Sea Array Offshore Wind Farm
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Client:	NISA North Irish Sea Array
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LVIA Consultant:	
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Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP29 Photomontage
Malahide (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	722708	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	746343	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	3.1 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	18-Nov-22 - 12:40	Distance to Nearest	25.1 km	Date	May 2024

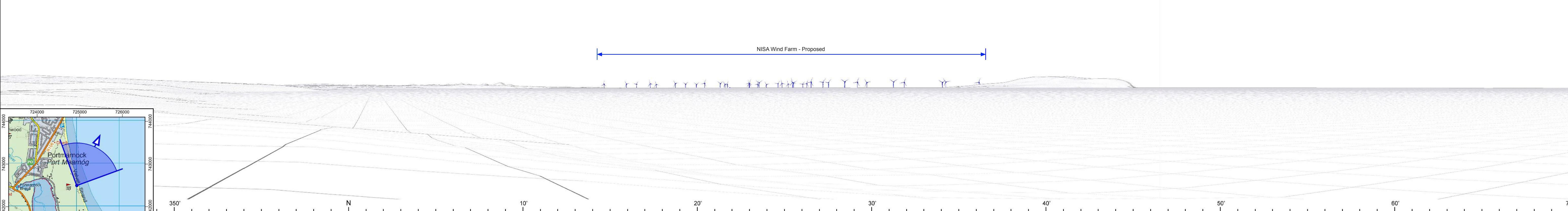
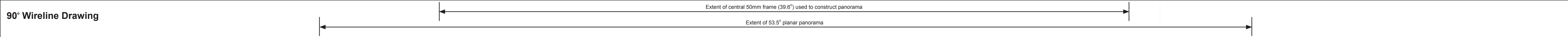
Project: **North Irish Sea Array
Offshore Wind Farm**

Client: **NISA**
North Irish Sea Array

LVIA Consultant: 



90° Baseline Photograph



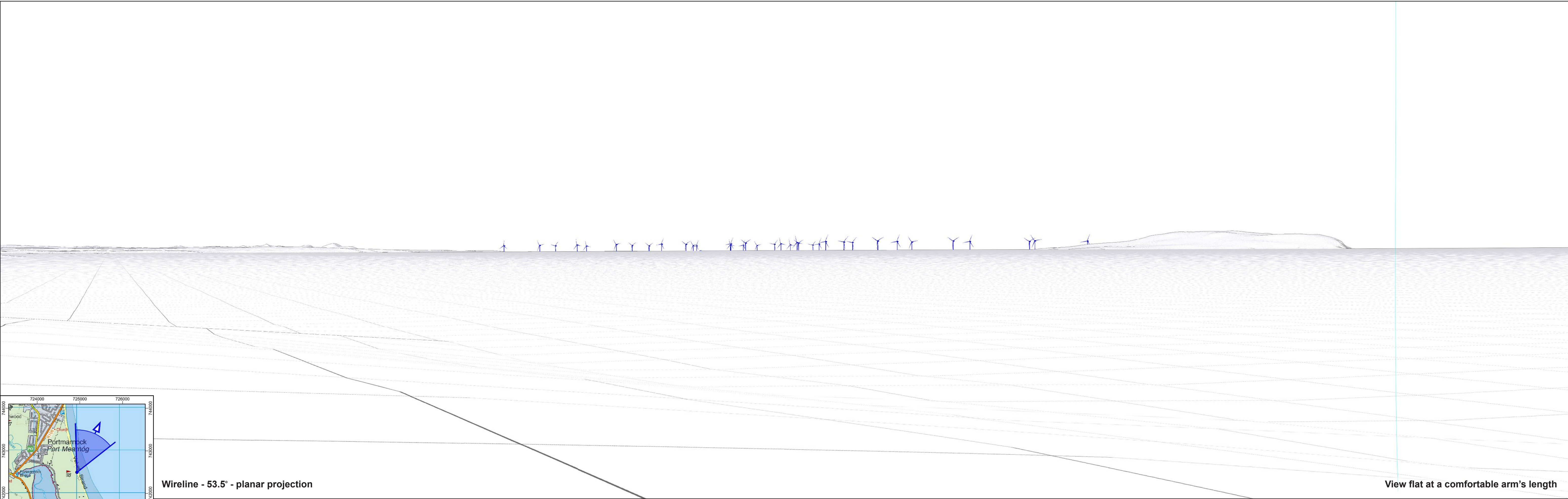
VP30 Baseline Photo and Wireline
**Portmarnock Beach (Fingal),
Co. Dublin**

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724933	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	742498	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	7.75 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 16:59	Distance to Nearest	27.2 km	Date	May 2024

Project: **North Irish Sea Array
Offshore Wind Farm**

Client: **NISA**
North Irish Sea Array

LVIA Consultant: 



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP30 Wireline
Portmarnock Beach (Fingal),
Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	724933	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	742498	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	7.75 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	27.2 km	Date	May 2024

Project:
North Irish Sea Array
Offshore Wind Farm

Client:
NISA
North Irish Sea Array

LVIA Consultant:

APRM Group



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP30 Photomontage
**Portmarnock Beach (Fingal),
Co. Dublin**

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724933	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	742498	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	7.75 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	14-Apr-21 - 16:59	Distance to Nearest	27.2 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

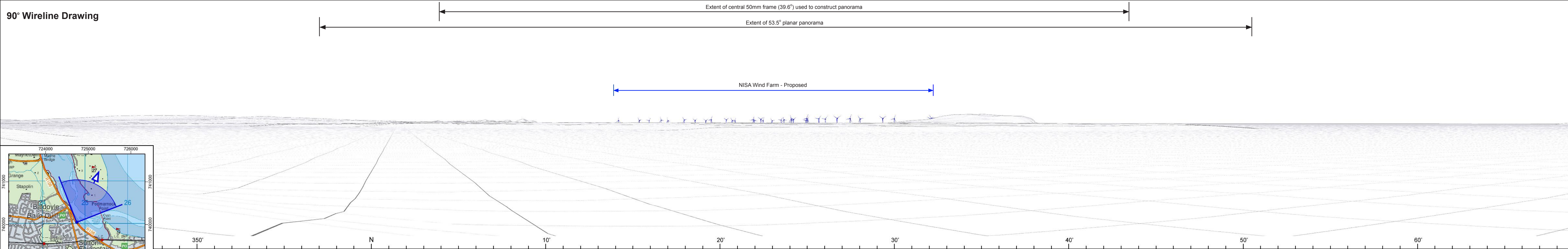
Client:
NISA
North Irish Sea Array


LVIA Consultant:

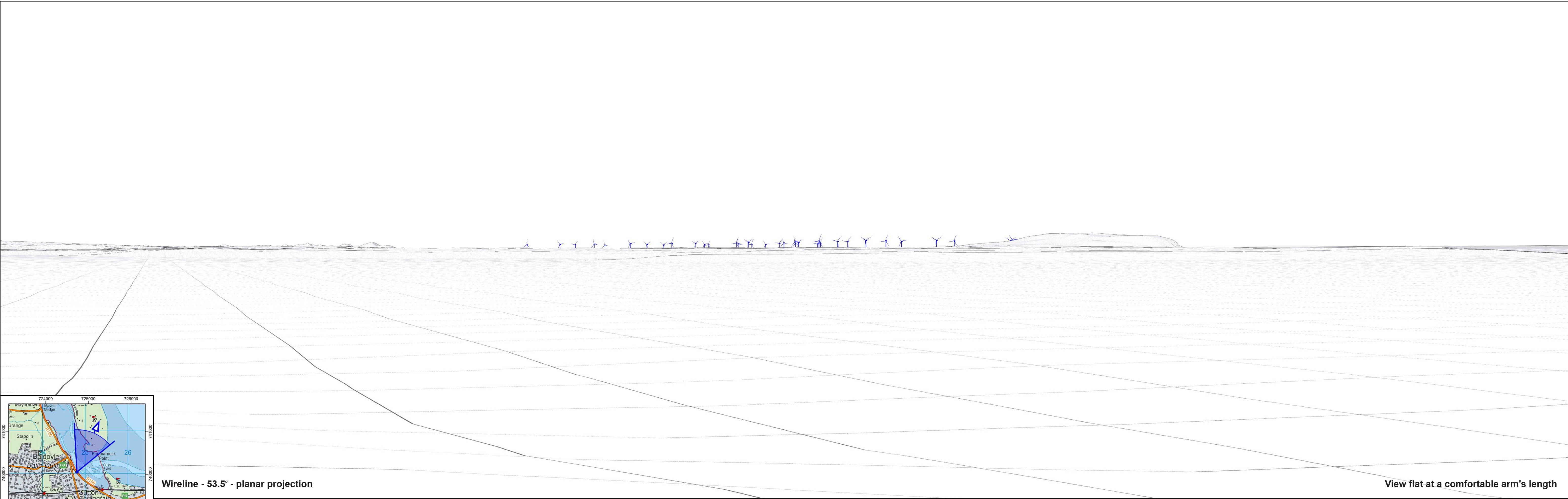



90° Baseline Photograph

90° Wireline Drawing



VP31 Baseline Photo and Wireline Sutton Promenade (Fingal), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724732	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	740052	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	3.8 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	18-Nov-22 - 12:10	Distance to Nearest	29.5 km	Date	May 2024			



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP31 Wireline
Sutton Promenade (Fingal),
Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	724732	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	740052	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	3.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	29.5 km	Date	May 2024

Project:
North Irish Sea Array
Offshore Wind Farm

Client:
NISA
North Irish Sea Array

LVIA Consultant:

APRM Group



Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP31 Photomontage
Sutton Promenade (Fingal),
Co. Dublin

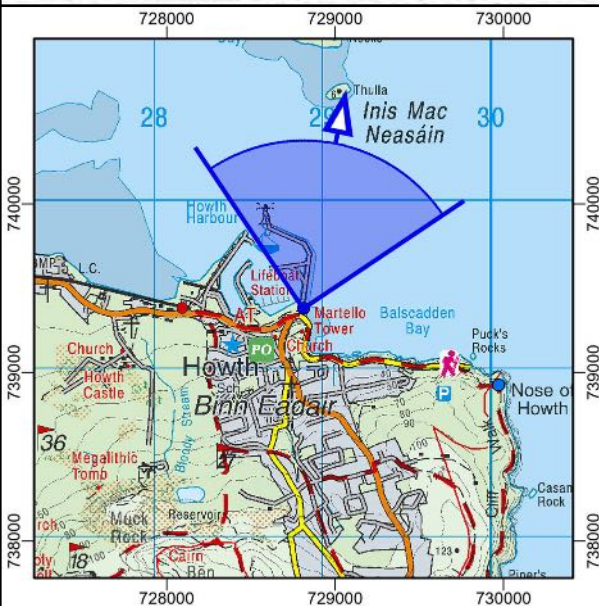
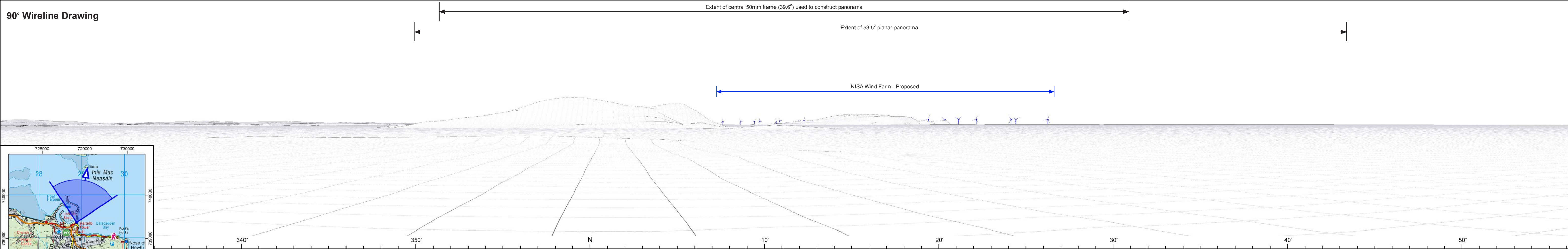
Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724732	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	740052	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	3.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	18-Nov-22 - 12:10	Distance to Nearest	29.5 km	Date	May 2024

Project:	North Irish Sea Array Offshore Wind Farm	Client:	NISA <i>North Irish Sea Array</i>	LVIA Consultant:	
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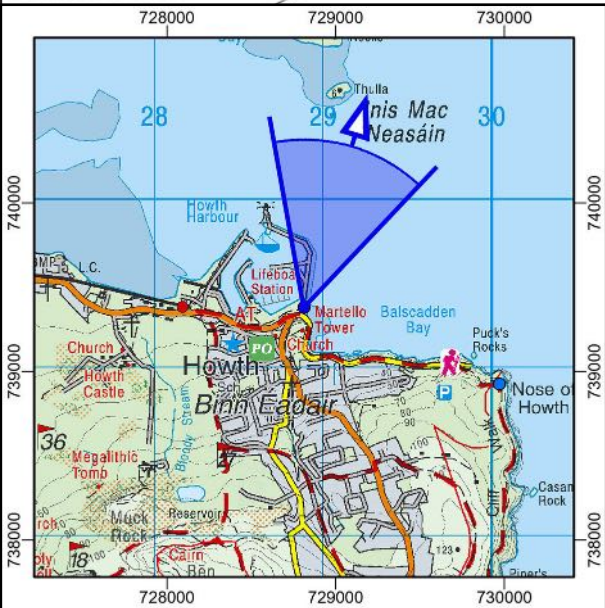
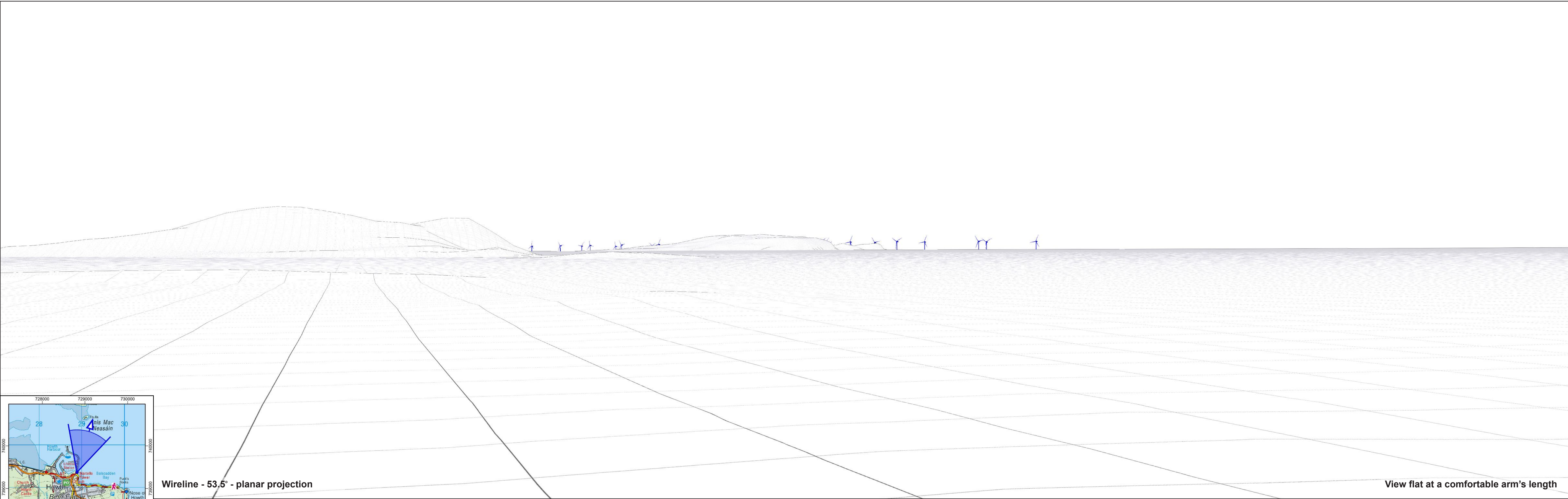


90° Baseline Photograph

90° Wireline Drawing



VP32 Baseline Photo and Wireline Howth Harbour (Fingal), Co. Dublin		Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	728813	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant:
		Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	739380	Checked by	RB			
		Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	7 m	Status	Final			
		Blade Tip Height	316.0 m	Date / Time of Capture	21-Jul-21 - 11:18	Distance to Nearest	28.6 km	Date	May 2024			



Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP32 Wireline
Howth Harbour (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	728813	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	739380	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	7 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	28.6 km	Date	May 2024

Project:	Client:	LVIA Consultant:
North Irish Sea Array Offshore Wind Farm		



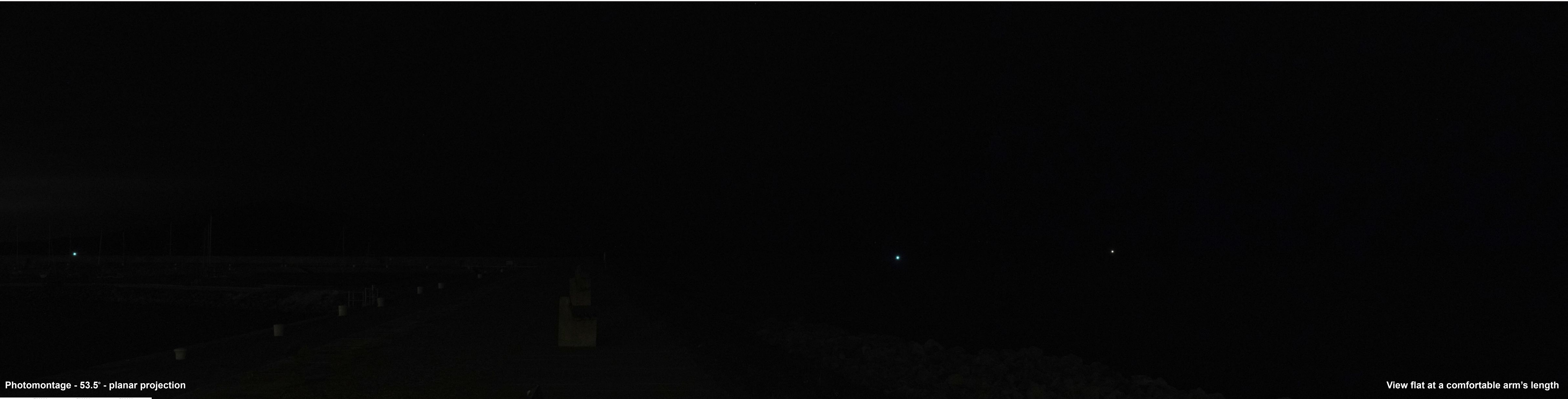
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP32 Photomontage
Howth Harbour (Fingal), Co. Dublin

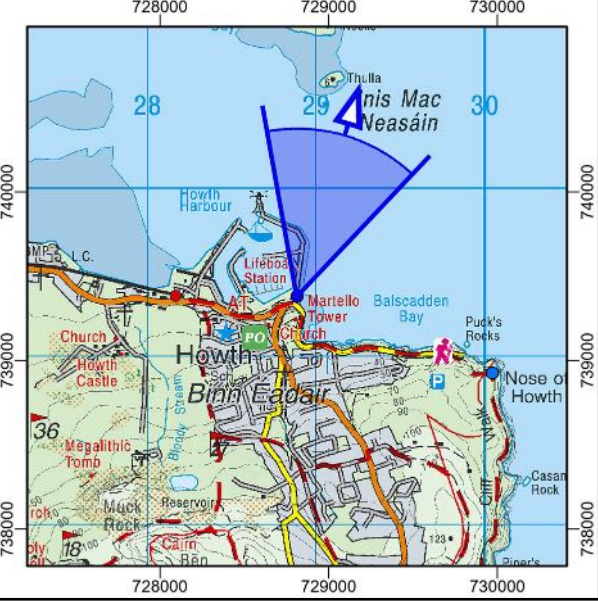
Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	728813	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	739380	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	7 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	21-Jul-21 - 11:18	Distance to Nearest	28.6 km	Date	May 2024

Project:	Client:	LVIA Consultant:
North Irish Sea Array Offshore Wind Farm	NISA North Irish Sea Array	




Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length



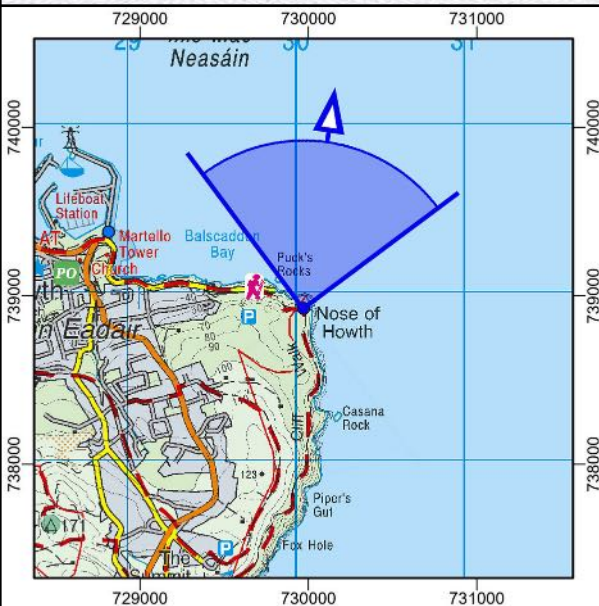
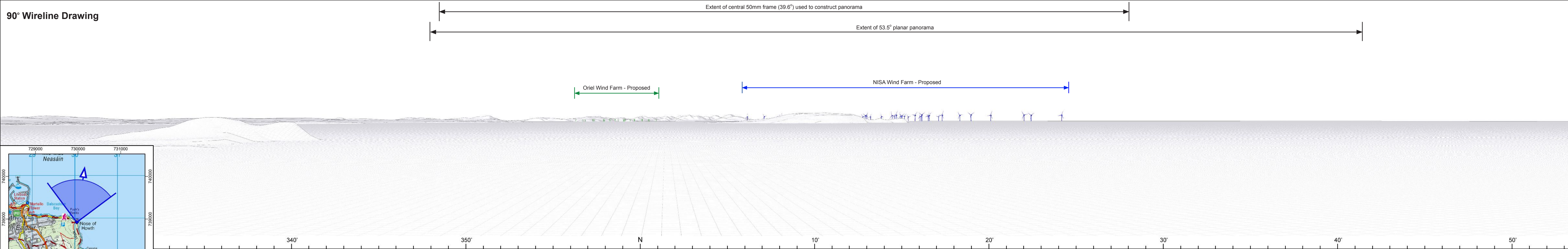
Context View - 360° - cylindrical projection

VP32 Nighttime Photomontage Howth Harbour (Fingal), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	728813	Created by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	739380	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	7.7 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	10-Oct-23 - 23:49	Distance to Nearest	28.6 km	Date	May 2024			



90° Baseline Photograph

90° Wireline Drawing



VP33 (View 1) Baseline Photo and Wireline
Howth Head (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	729971	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	738925	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	56.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	18-Nov-22 - 11:07	Distance to Nearest	28.7 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

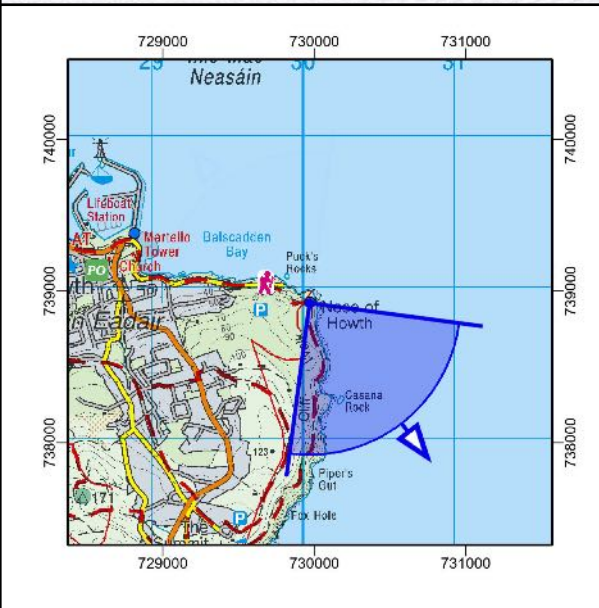
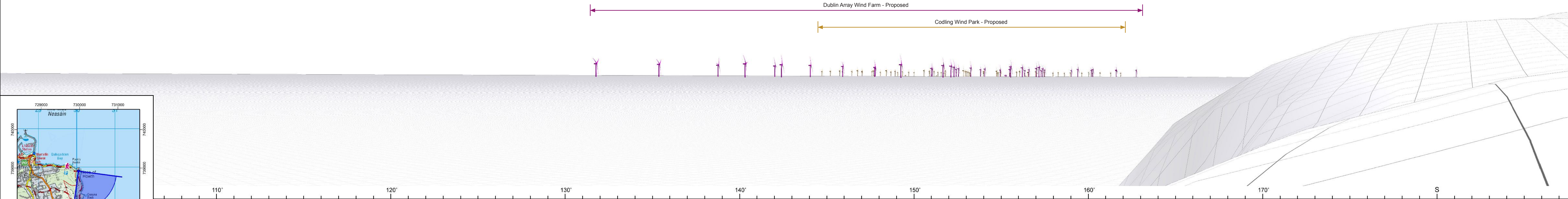
Client:
NISA
North Irish Sea Array

LVIA Consultant:




90° Baseline Photograph

90° Wireline Drawing



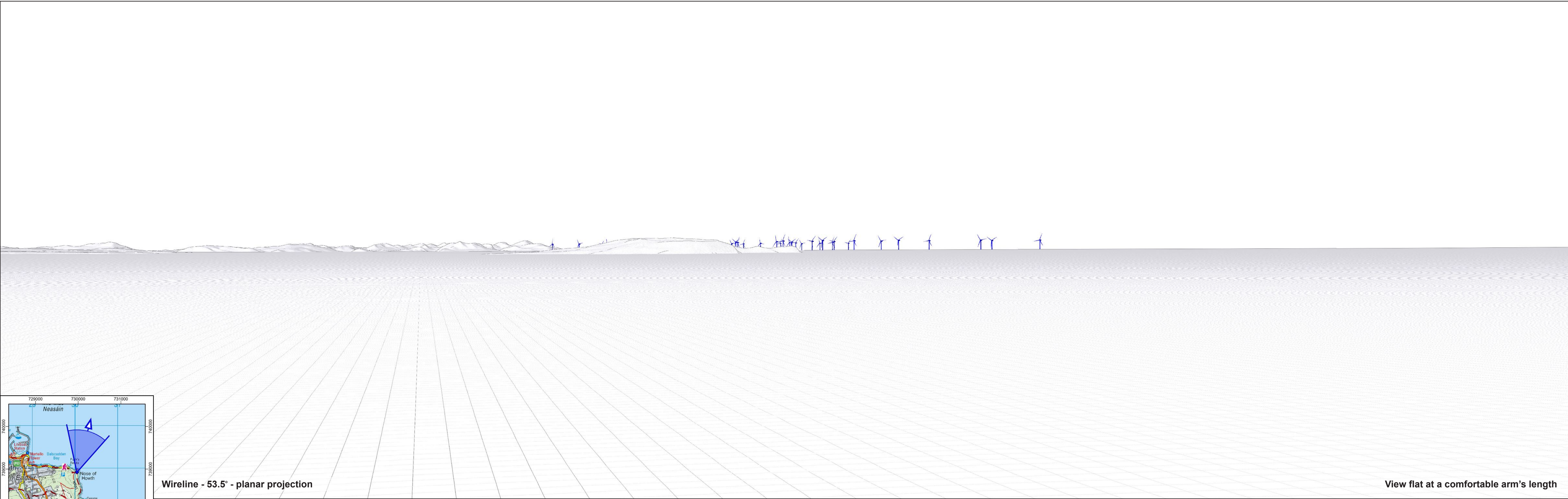
VP33 (View 2) Baseline Photo and Wireline
Howth Head (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	729971	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	738925	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	56.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	18-Nov-22 - 11:07	Distance to Nearest	28.7 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

Client:
NISA
North Irish Sea Array

LVIA Consultant:

Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

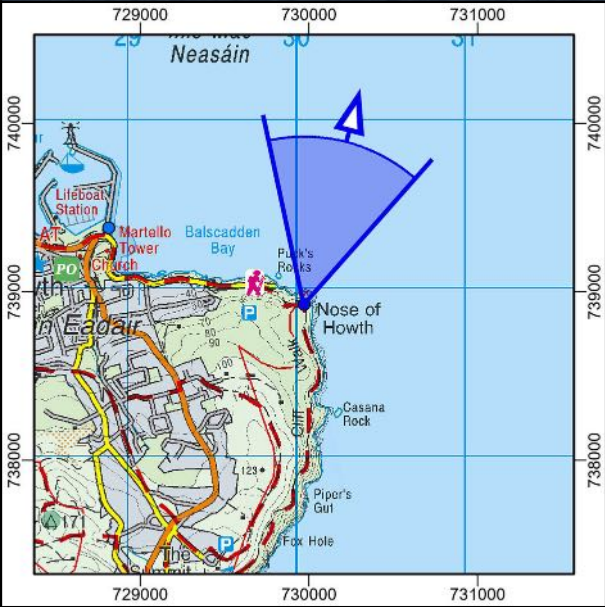
VP33	Wireline
	Howth Head (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	729971	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	738925	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	56.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	28.7 km	Date	May 2024

Project:	North Irish Sea Array Offshore Wind Farm
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Client:	<div>NISA</div> <div>North Irish Sea Array</div>
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LVIA Consultant:	<div>macroworks</div> <div>APRM Group</div>
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Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

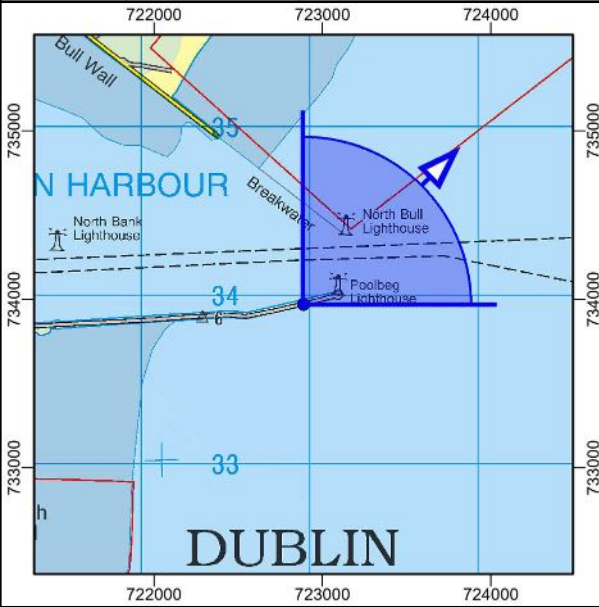
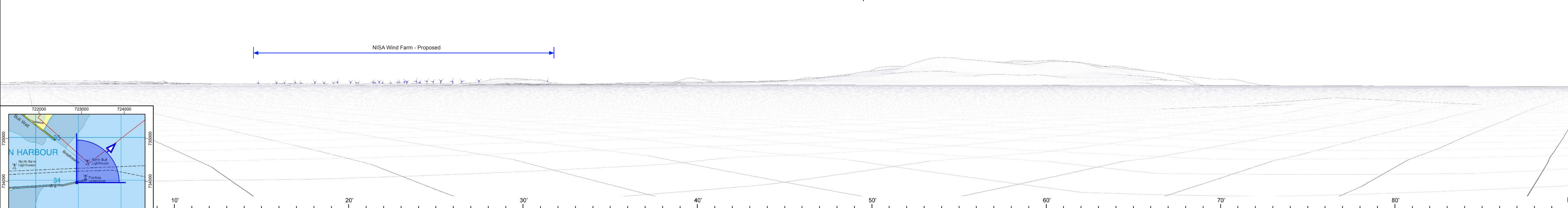
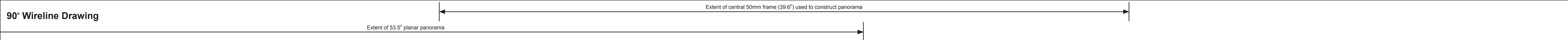
VP33 Photomontage
Howth Head (Fingal), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	729971	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	738925	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	56.8 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	18-Nov-22 - 11:07	Distance to Nearest	28.7 km	Date	May 2024

Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
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90° Baseline Photograph



VP34 (View 1) Baseline Photo and Wireline
Great South Wall at Poolbeg Light-house (Dublin City), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	722888	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	733969	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	3.5 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	16-Nov-22 - 13:47	Distance to Nearest	35.8 km	Date	May 2024

Project: **North Irish Sea Array
Offshore Wind Farm**

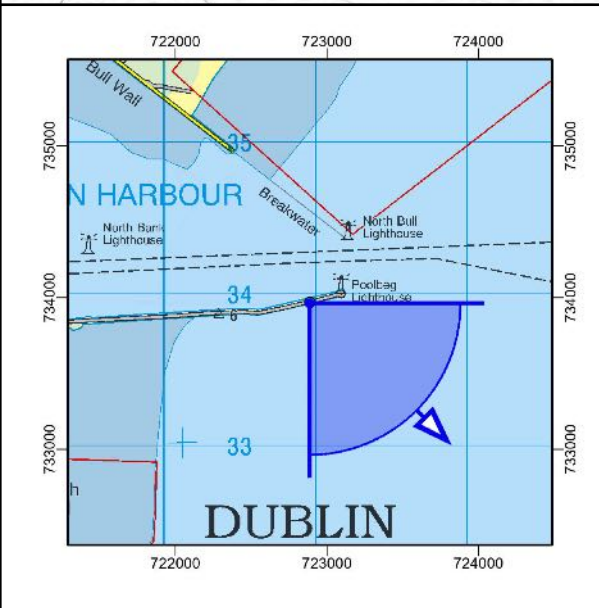
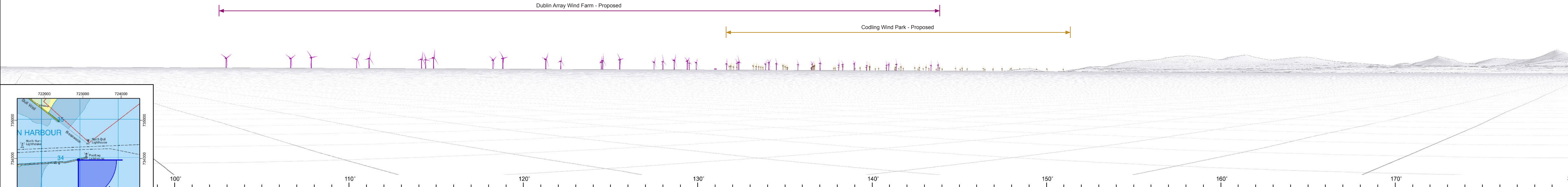
Client: **NISA**
North Irish Sea Array

LVIA Consultant:



90° Baseline Photograph

90° Wireline Drawing



VP34 (View 2) Baseline Photo and Wireline
Great South Wall at Poolbeg Light-house (Dublin City), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	722888	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	733969	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	3.5 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	16-Nov-22 - 13:47	Distance to Nearest	35.8 km	Date	May 2024

Project:
North Irish Sea Array
Offshore Wind Farm

Client:

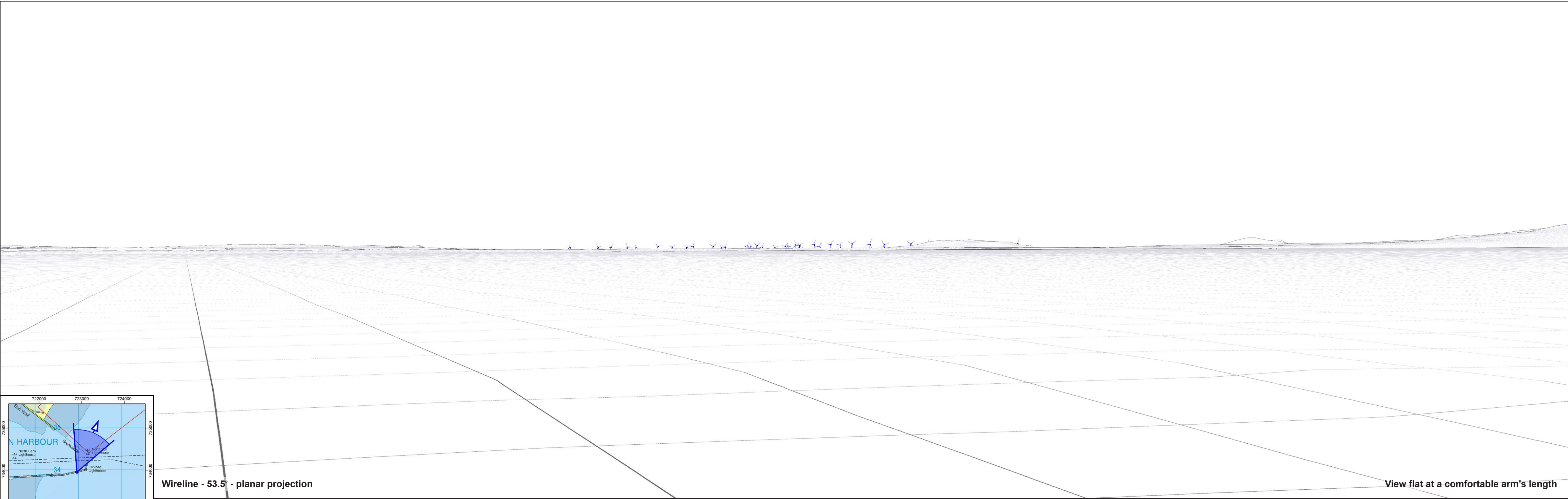
NISA

North Irish Sea Array

LVIA Consultant:

macroworks

APEM GROUP



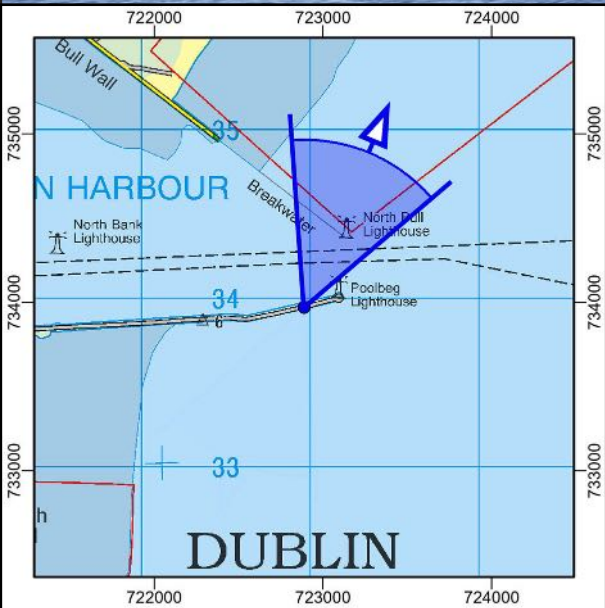
Wireline - 53.5° - planar projection

View flat at a comfortable arm's length

VP34 Wireline
Great South Wall at Poolbeg Light-house (Dublin City), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	722888	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	733969	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	3.5 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	35.8 km	Date	May 2024

Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
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Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP34 Photomontage
Great South Wall at Poolbeg Light-house (Dublin City), Co. Dublin

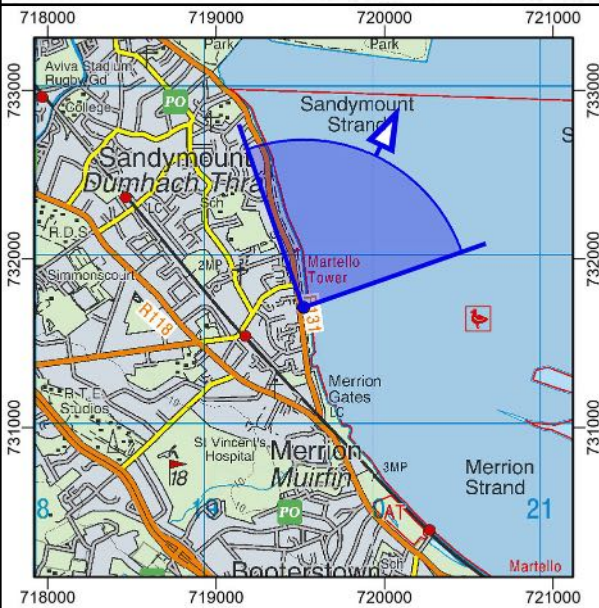
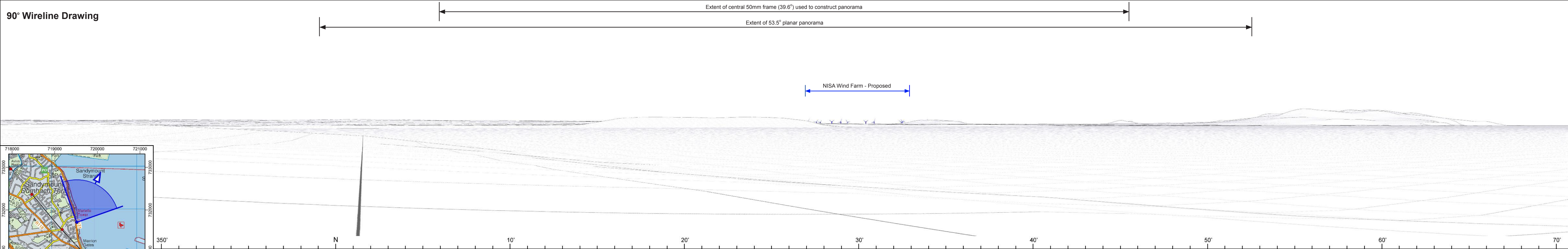
Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	722888	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	733969	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	3.5 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	16-Nov-22 - 13:47	Distance to Nearest	35.8 km	Date	May 2024

Project: North Irish Sea Array Offshore Wind Farm	Client: <div>NISA <i>North Irish Sea Array</i></div>	LVIA Consultant: <div> APRM Group</div>
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90° Baseline Photograph

90° Wireline Drawing



VP35 (View 1) Baseline Photo and Wireline
Sandymount Strand (Dublin City),
Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	719519	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	731713	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	2.9 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	16-Nov-22 - 13:03	Distance to Nearest	39.3 km	Date	May 2024

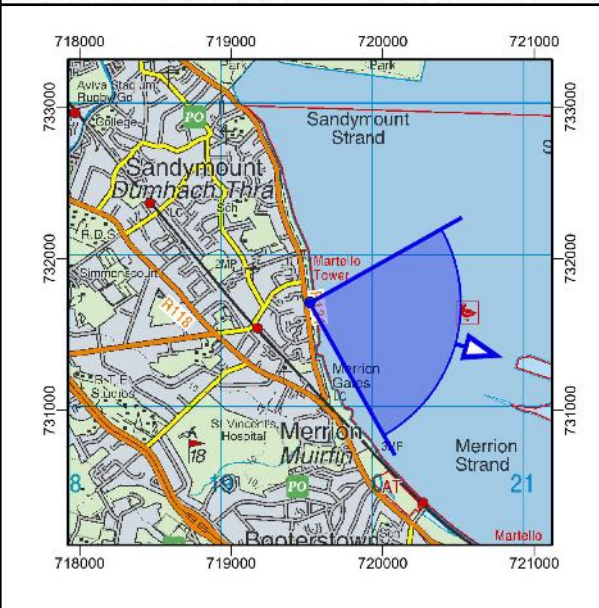
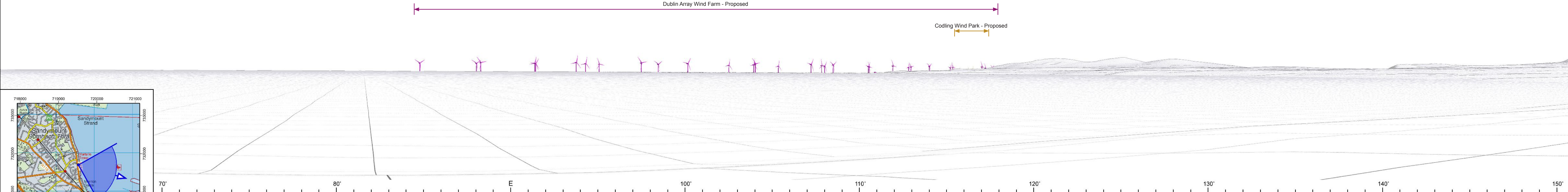
Project:
**North Irish Sea Array
Offshore Wind Farm**

Client:
NISA
North Irish Sea Array

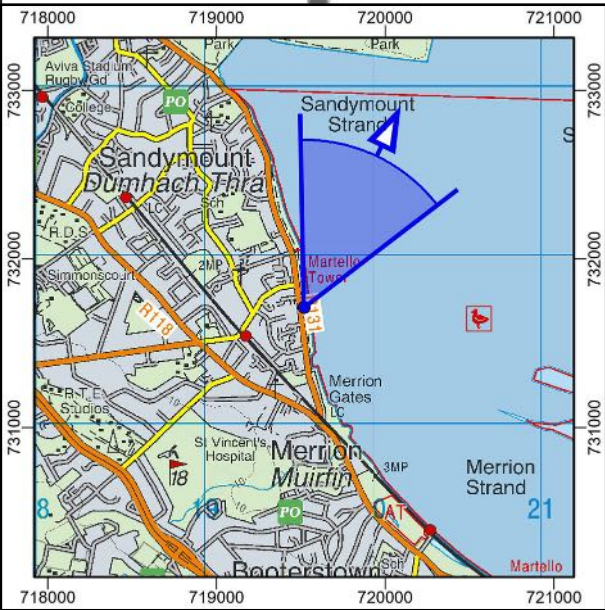
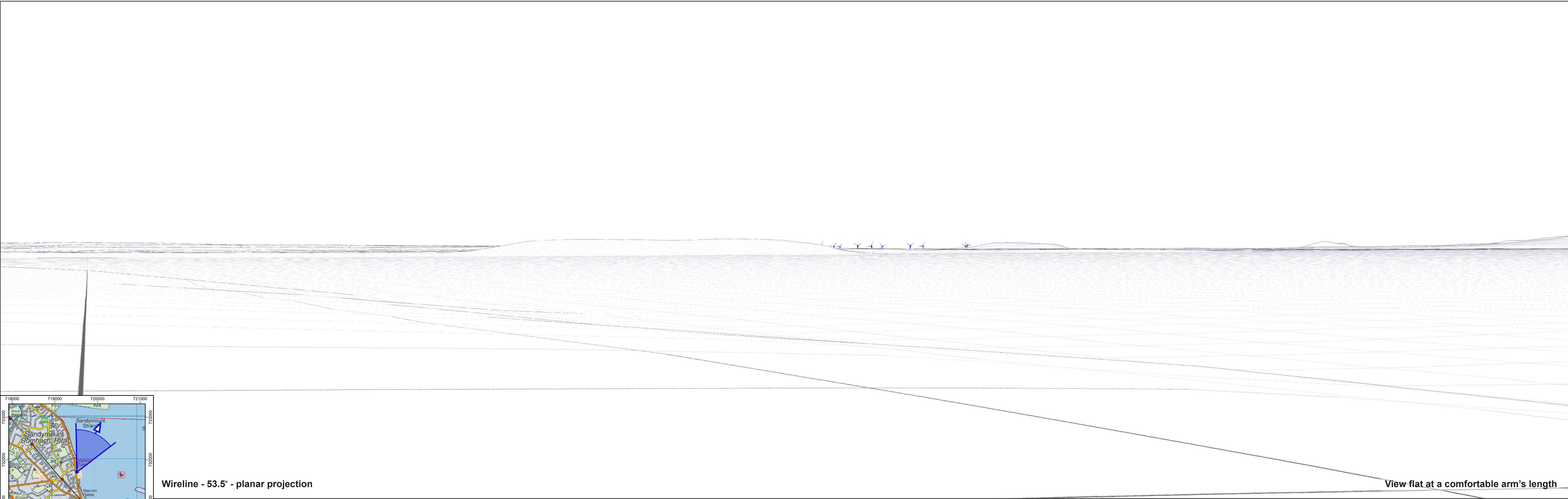
LVIA Consultant:



90° Wireline Drawing



VP35 (View 2) Baseline Photo and Wireline Sandymount Strand (Dublin City), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	719519	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: <div>NISA</div> <div>North Irish Sea Array</div>	LVIA Consultant: <div>macroworks</div> <div>APEM GROUP</div>
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	731713	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	2.9 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	16-Nov-22 - 13:03	Distance to Nearest	39.3 km	Date	May 2024			

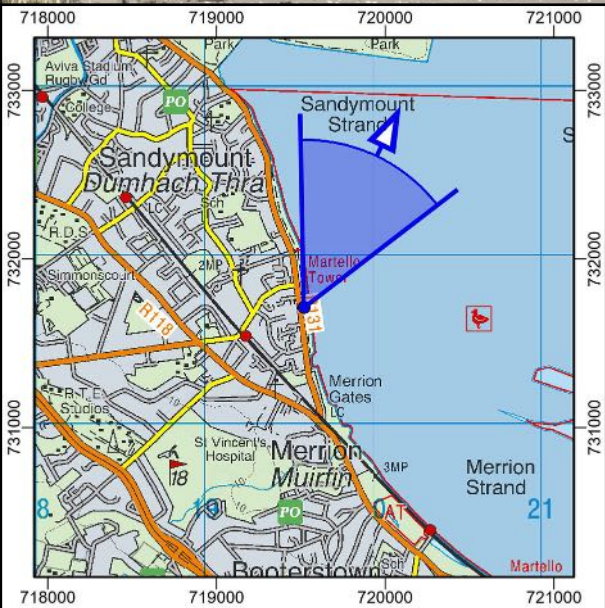


Wireline - 53.5° - planar projection

VP35 Wireline
**Sandymount Strand (Dublin City),
Co. Dublin**

Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	719519	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	731713	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	2.9 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	39.3 km	Date	May 2024

Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
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Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

VP35 Photomontage
**Sandymount Strand (Dublin City),
Co. Dublin**

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	719519	Created by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	731713	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	2.9 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	16-Nov-22 - 13:03	Distance to Nearest	39.3 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**

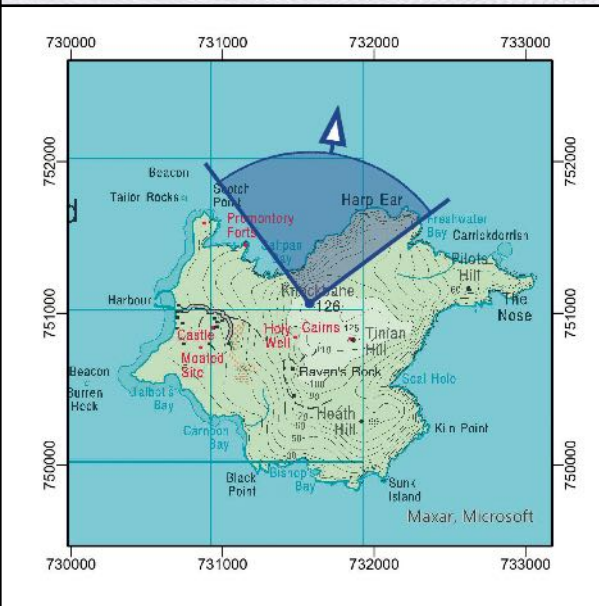
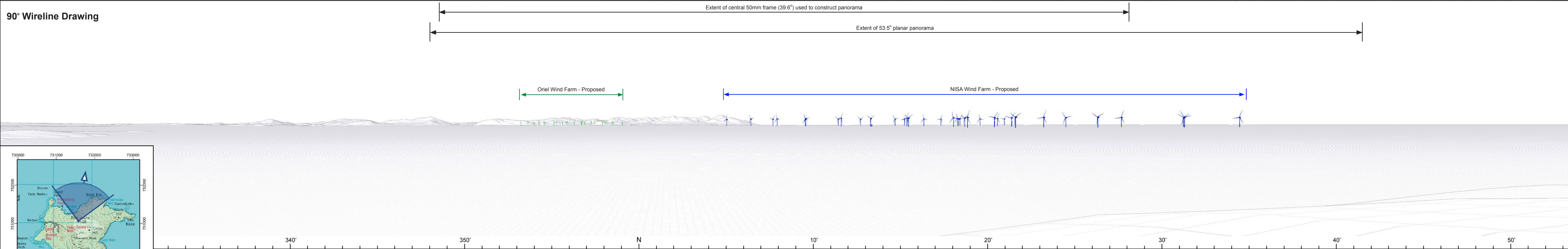
Client:
NISA
North Irish Sea Array

LVIA Consultant:




90° Baseline Photograph

90° Wireline Drawing



VP36 (View 1) Baseline Photo and Wireline
Lambay Island - Summit
Co. Dublin (Fingal)

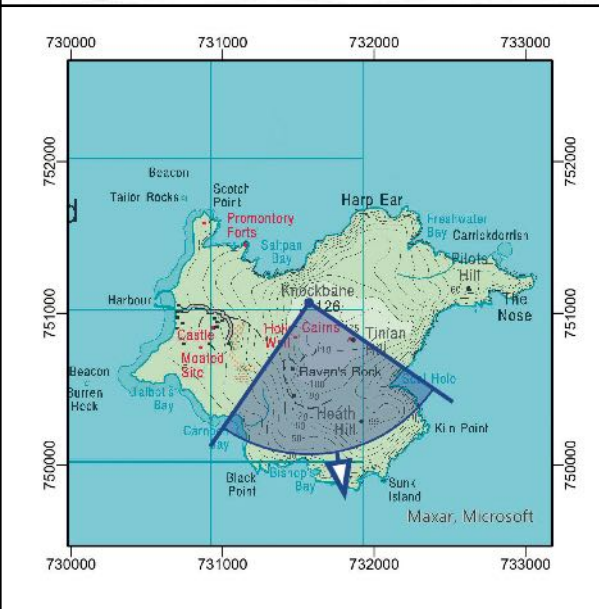
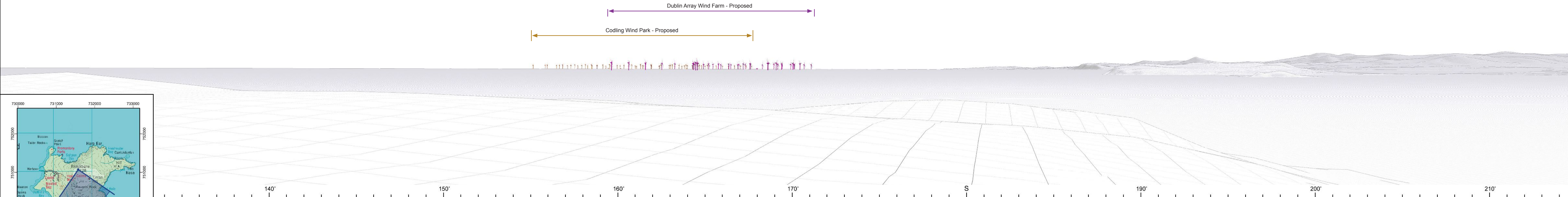
Turbine no. (Option 2)	35	Camera / Sensor	Canon R5	Easting (ITM)	731576	Prepared by	NH
Hub Height	178.0 m	Lens	50mm	Northing (ITM)	751066	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	128.7 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	19-Feb-24 - 08:42	Distance to Nearest	16.7 km	Date	May 2024

Project:	Client:	LVIA Consultant:
North Irish Sea Array Offshore Wind Farm	NISA <i>North Irish Sea Array</i>	



90° Baseline Photograph

90° Wireline Drawing



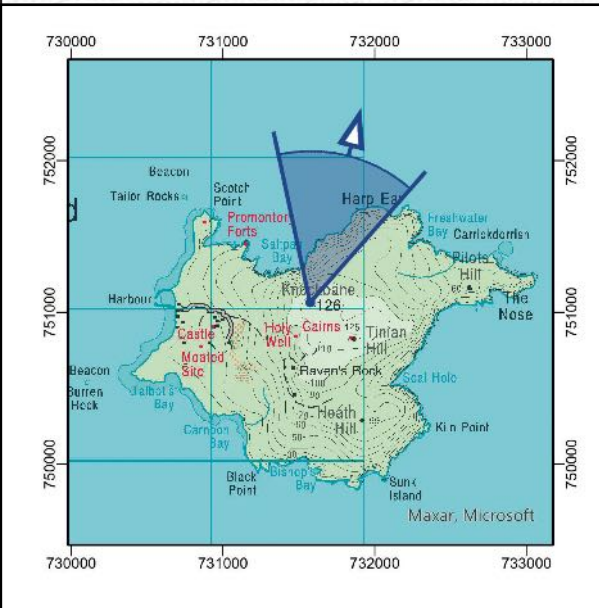
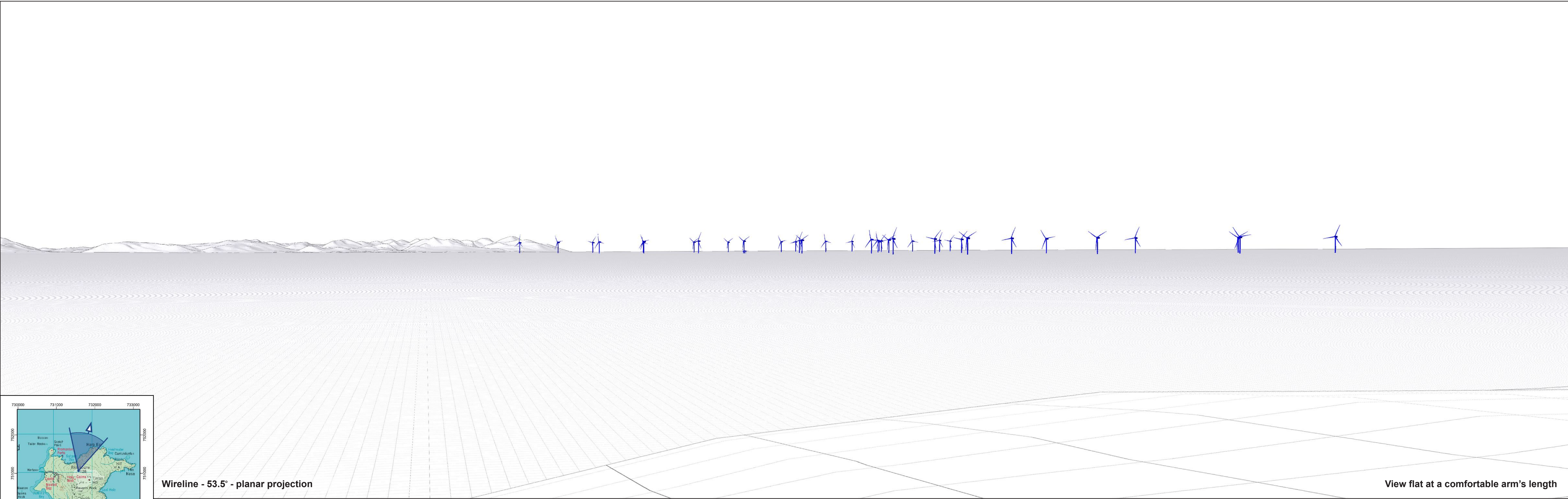
VP36 (View 2) Baseline Photo and Wireline
Lambay Island - Summit
Co. Dublin (Fingal)

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5	Easting (ITM)	731576	Prepared by	NH
Hub Height	178.0 m	Lens	50mm	Northing (ITM)	751066	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	128.7 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	19-Feb-24 - 08:42	Distance to Nearest	16.7 km	Date	May 2024

Project:
**North Irish Sea Array
Offshore Wind Farm**


Client:
NISA
North Irish Sea Array

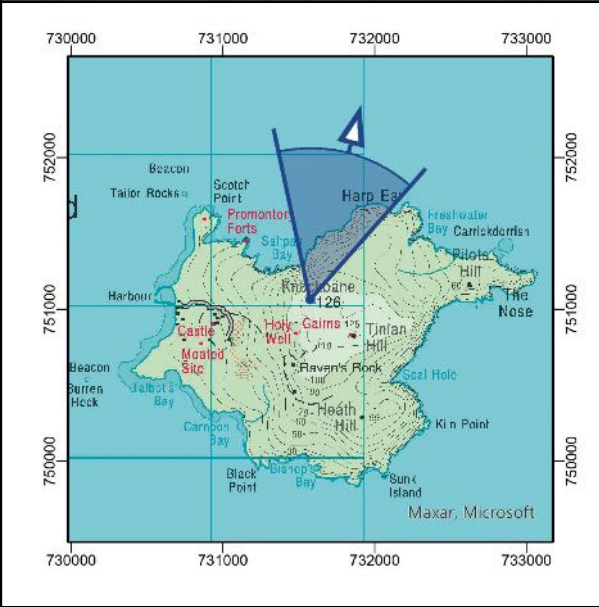
LVIA Consultant:
macroworks
APEM GROUP



Wireline - 53.5° - planar projection


View flat at a comfortable arm's length

VP36 Wireline Lambay Island - Summit Co. Dublin (Fingal)	Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	731576	Created by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
	Hub Height	178.0 m	Lens	N/A	Northing (ITM)	751066	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	128.7 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	17.0 km	Date	May 2024			



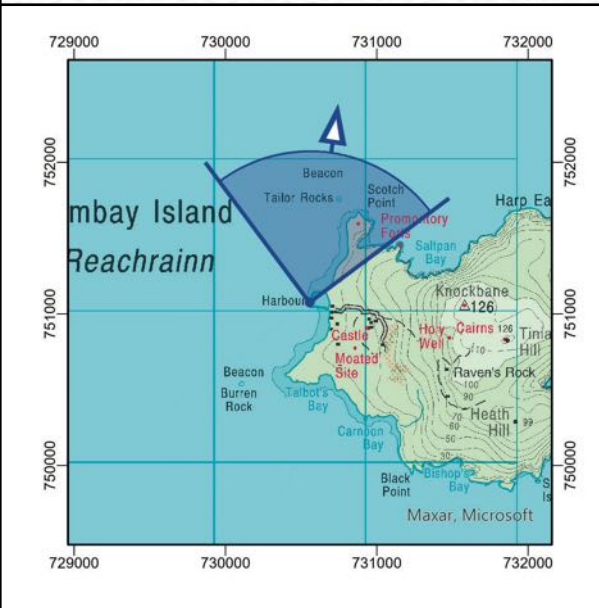
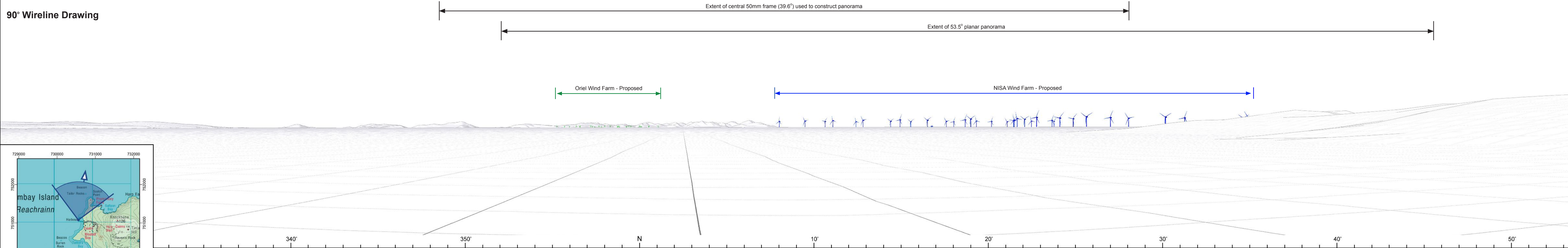
Photomontage - 53.5° - planar projection

View flat at a comfortable arm's length

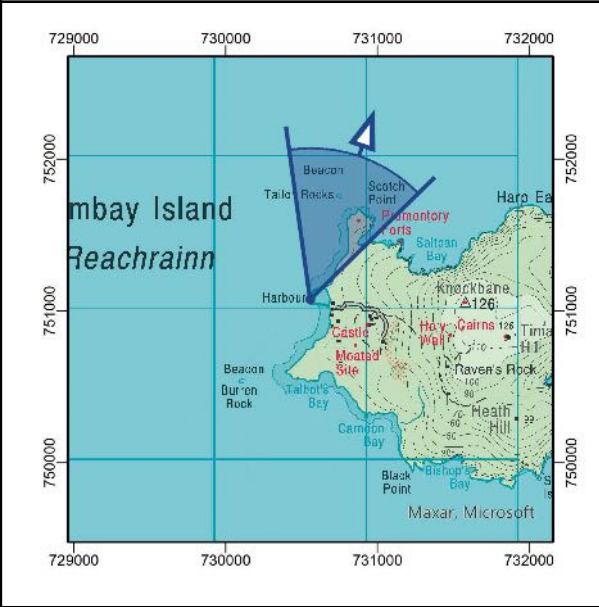
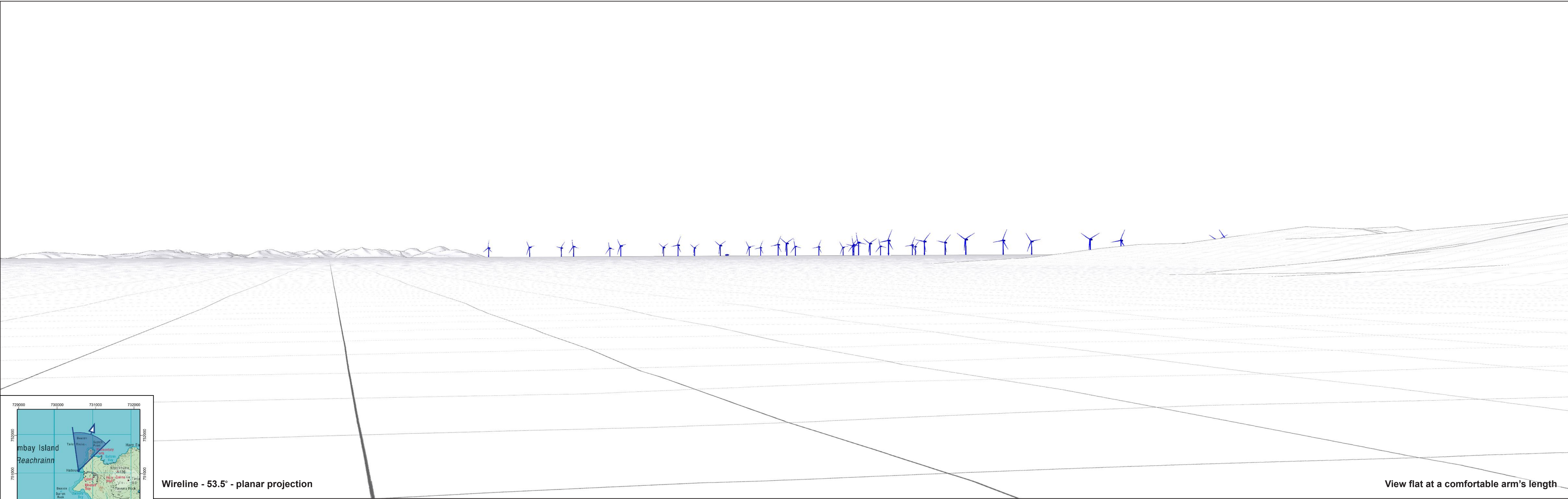
VP36 Baseline Photo and Wireline Lambay Island - Summit Co. Dublin (Fingal)	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	731576	Created by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	751066	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	128.7 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	19-Feb-24 - 08:42	Distance to Nearest	17.0 km	Date	May 2024			



90° Baseline Photograph



VP37 Baseline Photo and Wireline Lambay Island - Pier Co. Dublin (Fingal)	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5	Easting (ITM)	734279	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant:
	Hub Height	178.0 m	Lens	50mm	Northing (ITM)	816517	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	3.9 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	19-Feb-24 - 09:42	Distance to Nearest	17.2 km	Date	May 2024			



Wireline - 53.5° - planar projection

VP37 Wireline
Lambay Island - Pier
Co. Dublin (Fingal)

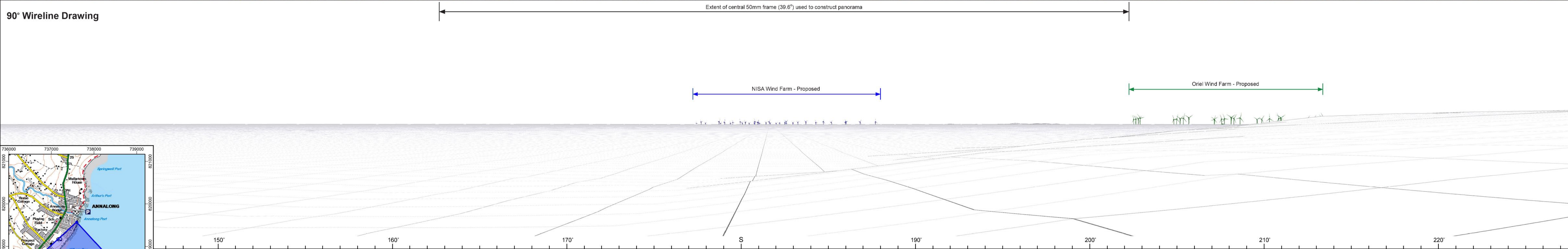
Turbine no. (Option 2)	35	Camera / Sensor	N/A	Easting (ITM)	730558	Created by	NH
Hub Height	178.0 m	Lens	N/A	Northing (ITM)	751076	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	53.5 x 18.2	Elevation / Cam Ht	3.9 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	N/A	Distance to Nearest	17.2 km	Date	May 2024

Project:	North Irish Sea Array Offshore Wind Farm	Client:	NISA <i>North Irish Sea Array</i>	LVIA Consultant:	
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90° Baseline Photograph

90° Wireline Drawing



VP38 Baseline Photo and Wireline Annalong, Co. Down (NI)	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	737597	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: <div>NISA</div> <div>North Irish Sea Array</div>	LVIA Consultant: <div>macroworks</div> <div>APERT GOLD</div>
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	819568	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	5.6 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	25-May-23 - 08:29	Distance to Nearest	41.0 km	Date	May 2024			

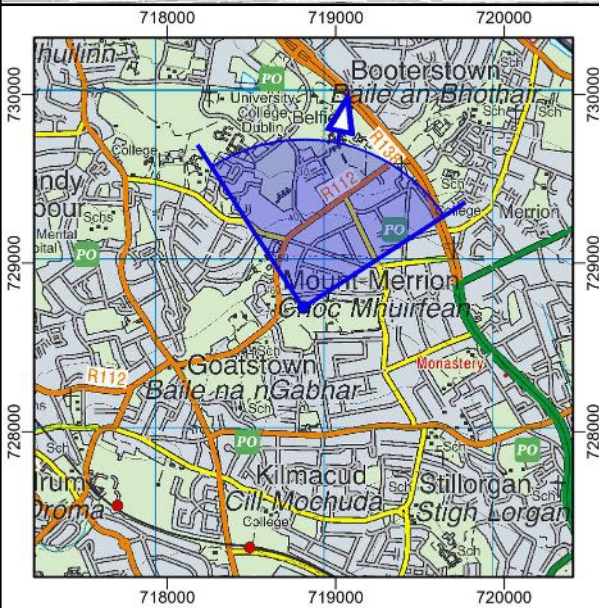


90° Baseline Photograph

90° Wireline Drawing

Extent of central 50mm frame (39.6°) used to construct panorama

NISA Wind Farm - Proposed

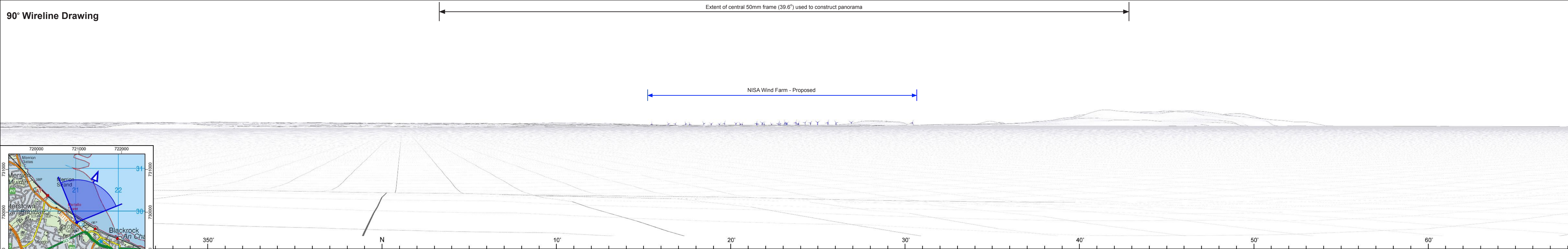


VP39 Baseline Photo and Wireline Deer Park (Dun Laoghaire-Rathdown), Co. Dublin		Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	718809	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA North Irish Sea Array	LVIA Consultant: macroworks
		Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	728737	Checked by	RB			
		Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	71.2 m	Status	Final			
		Blade Tip Height	316.0 m	Date / Time of Capture	16-Nov-22 - 12:39	Distance to Nearest	42.2 km	Date	May 2024			



90° Baseline Photograph

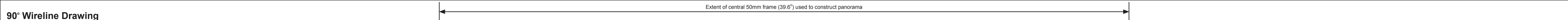
90° Wireline Drawing



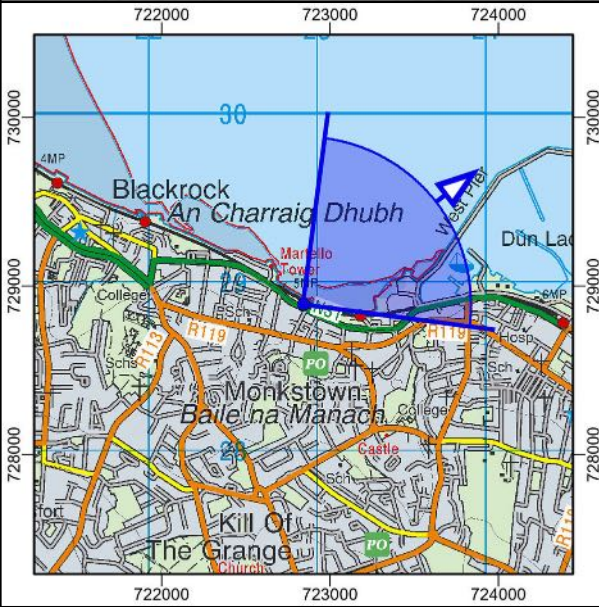
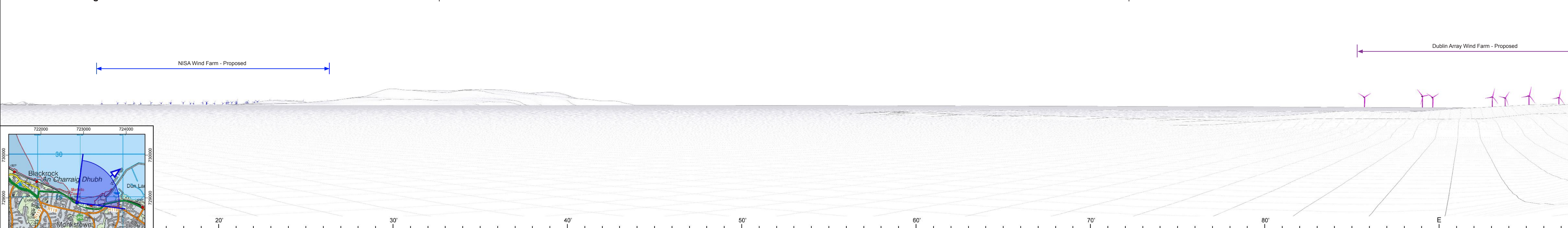
VP40 Baseline Photo and Wireline Blackrock Park (Dun Laoghaire-Rathdown), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	720950	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: <div>NISA</div> <div>North Irish Sea Array</div>	LVIA Consultant: <div>macroworks</div> <div>APEM GROUP</div>
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	729763	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	8.9 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	11-May-23 - 19:42	Distance to Nearest	40.4 km	Date	May 2024			



90° Baseline Photograph



90° Wireline Drawing



VP41 Baseline Photo and Wireline
Coast Road, Monkstown (Dun Laoghaire-Rathdown), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	722843	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	728890	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	12.9 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	11-May-23 - 19:13	Distance to Nearest	40.5 km	Date	May 2024

Project:
North Irish Sea Array Offshore Wind Farm

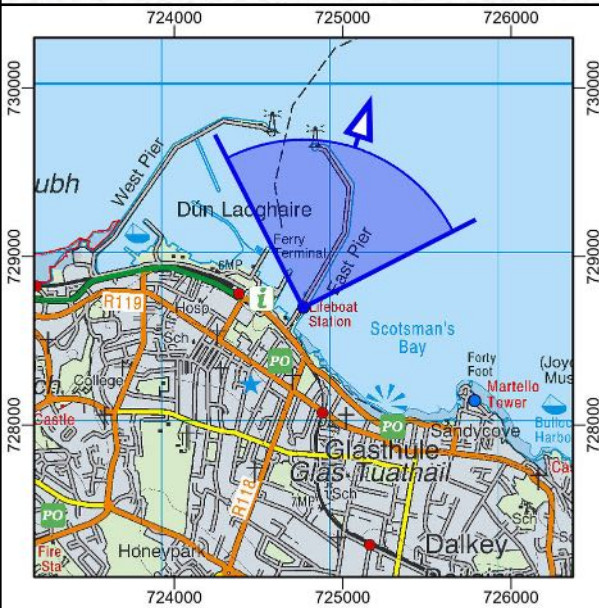
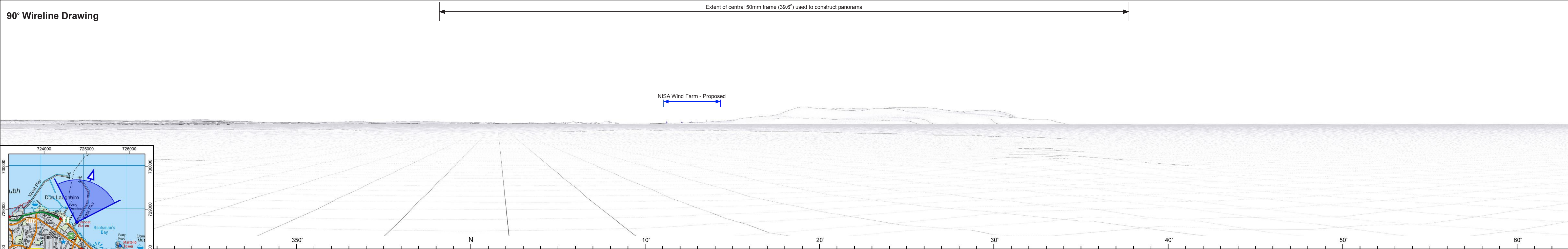
Client:
NISA
North Irish Sea Array

LVIA Consultant:




90° Baseline Photograph

90° Wireline Drawing

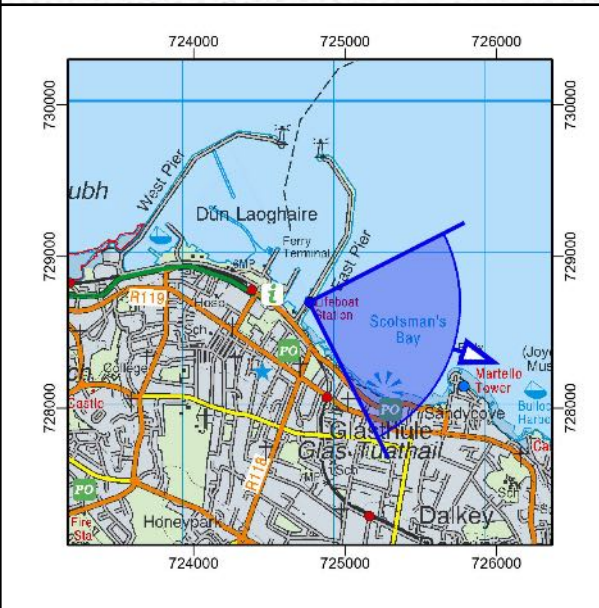
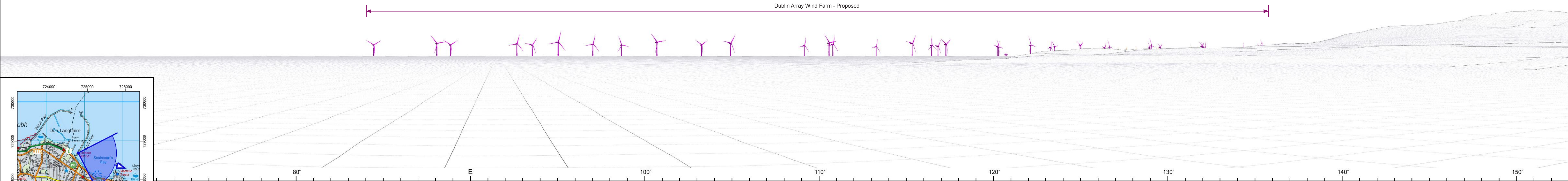


VP42 (View 1) Baseline Photo and Wireline East Pier, Dun Laoghaire (Dun Laoghaire-Rathdown), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724768	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: <div>NISA North Irish Sea Array</div>	LVIA Consultant: <div>macroworks OPEN COLLAB</div>
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	728698	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	7.5 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	11-May-23 - 18:54	Distance to Nearest	40.0 km	Date	May 2024			



90° Baseline Photograph

90° Wireline Drawing

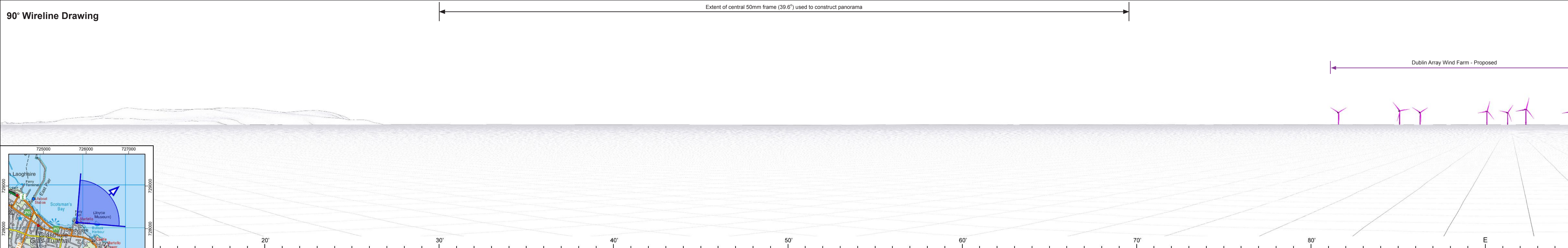


VP42 (View 2) Baseline Photo and Wireline East Pier, Dun Laoghaire (Dun Laoghaire-Rathdown), Co. Dublin	Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	724768	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: <div>NISA North Irish Sea Array</div>	LVIA Consultant: <div>macroworks APEM GROUP</div>
	Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	728698	Checked by	RB			
	Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	7.5 m	Status	Final			
	Blade Tip Height	316.0 m	Date / Time of Capture	11-May-23 - 18:54	Distance to Nearest	40.0 km	Date	May 2024			



90° Baseline Photograph

90° Wireline Drawing



VP43 Baseline Photo and Wireline
Forty Foot, Sandycove (Dun Laoghair-Rathdown), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	725784	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	728145	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	10.7 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	05-Jan-22 - 13:43	Distance to Nearest	40.3 km	Date	May 2024

Project: **North Irish Sea Array Offshore Wind Farm**

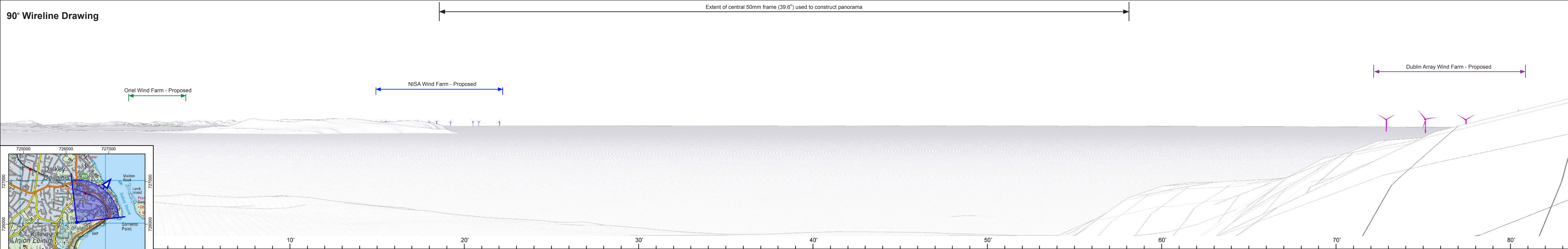
Client: **NISA**
North Irish Sea Array


LVIA Consultant: 



90° Baseline Photograph

90° Wireline Drawing



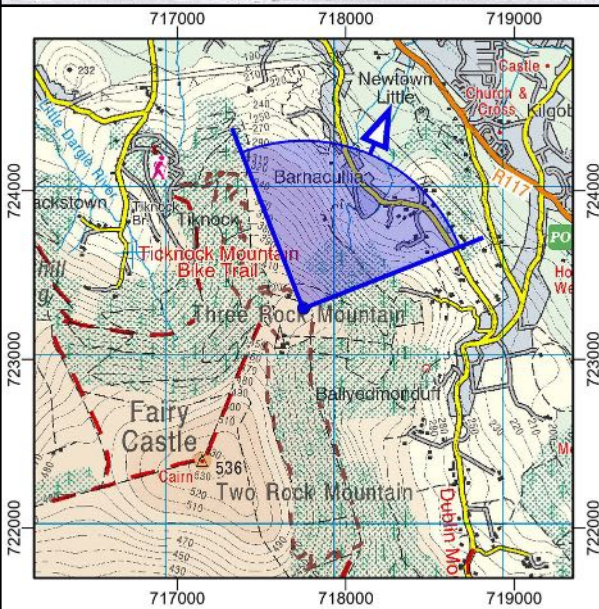
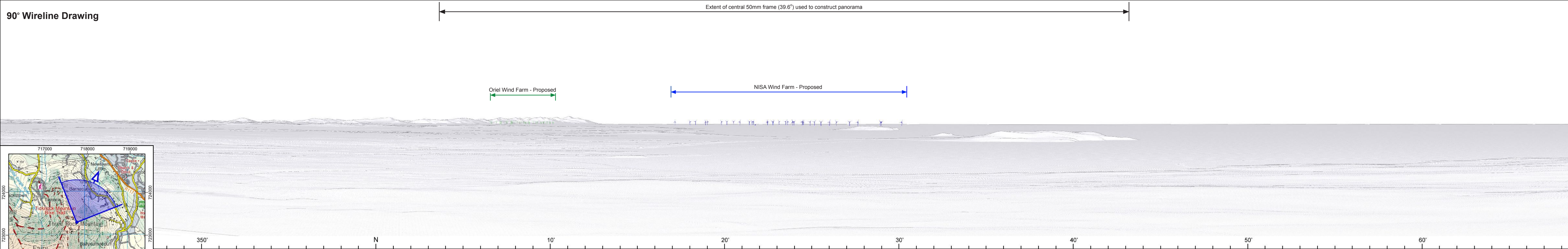
VP44 Baseline Photo and Wireline Dalkey Hill (Dun Laoghaire-Rath-down), Co. Dublin		Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	726253	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
		Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	726045	Checked by	RB			
		Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	137 m	Status	Final			
		Blade Tip Height	316.0 m	Date / Time of Capture	11-May-23 - 18:29	Distance to Nearest	42.2 km	Date	May 2024			



90° Baseline Photograph

90° Wireline Drawing

Extent of central 50mm frame (39.6°) used to construct panorama




VP45 (View 1) Baseline Photo and Wireline
Three Rock Mountain (Dun
Laoghaire-Rathdown), Co. Dublin

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	717749	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	723302	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	447.6 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	11-May-23 - 17:27	Distance to Nearest	47.6 km	Date	May 2024

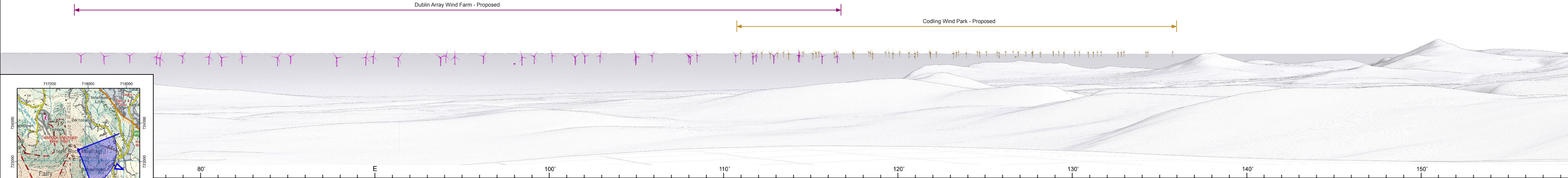
Project:
**North Irish Sea Array
Offshore Wind Farm**


Client:
NISA
North Irish Sea Array

LVIA Consultant:




90° Wireline Drawing

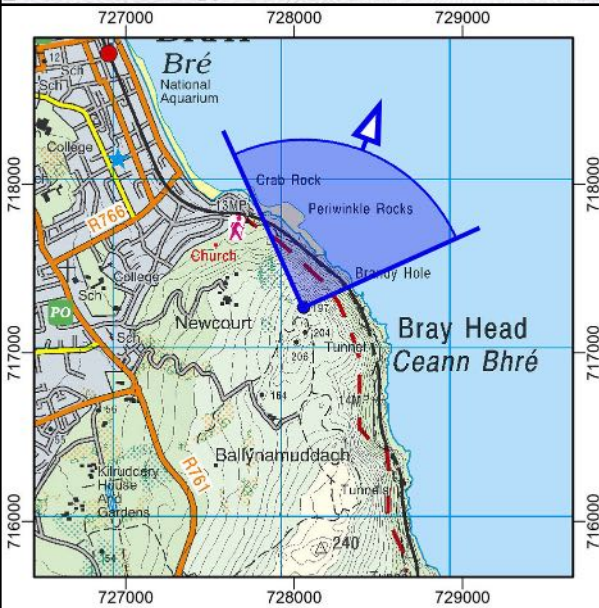
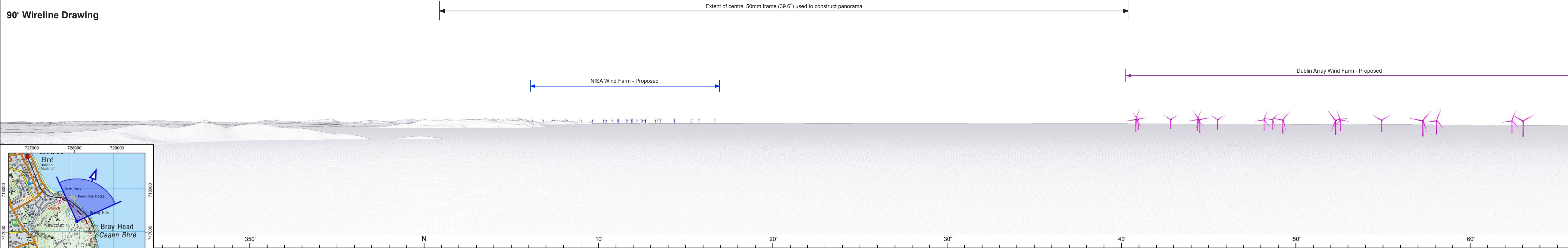


VP45 (View 2) Baseline Photo and Wireline Three Rock Mountain (Dun Laoghaire-Rathdown), Co. Dublin	Turbine no. (Option 2)		35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	717749	Prepared by	NH	Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
	Hub Height		178.0 m	Lens	50mm fixed	Northing (ITM)	723302	Checked by	RB			
	Rotor Diameter		276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	447.6 m	Status	Final			
	Blade Tip Height		316.0 m	Date / Time of Capture	11-May-23 - 17:27	Distance to Nearest	47.6 km	Date	May 2024			



90° Baseline Photograph

90° Wireline Drawing



VP46 Baseline Photo and Wireline
Bray Head, Co. Wicklow

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	728056	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	717270	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	197.9 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	16-Mar-22 - 16:49	Distance to Nearest	50.3 km	Date	May 2024

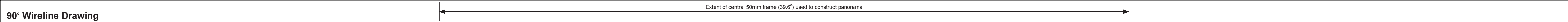
Project:
**North Irish Sea Array
Offshore Wind Farm**

Client:
NISA
North Irish Sea Array

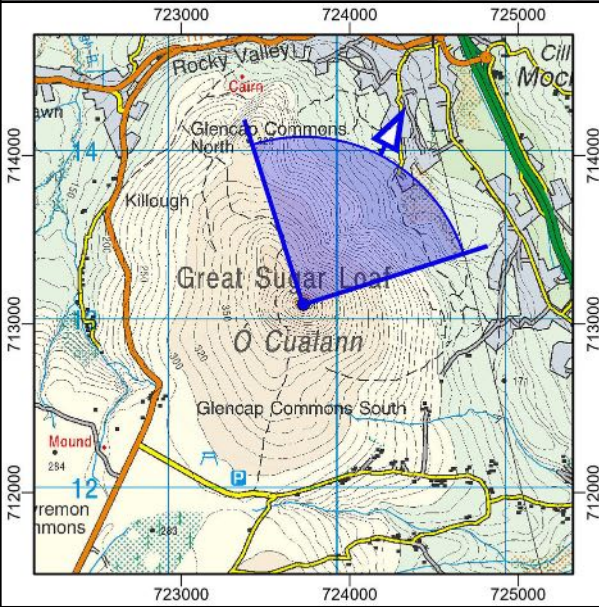
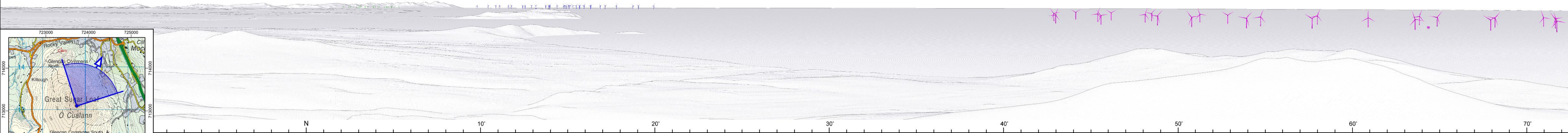
LVIA Consultant:




90° Baseline Photograph



90° Wireline Drawing



VP47 Baseline Photo and Wireline
Sugar Loaf Summit, Co. Wicklow

Turbine no. (Option 2)	35	Camera / Sensor	Canon R5 / Full Frame	Easting (ITM)	723726	Prepared by	NH
Hub Height	178.0 m	Lens	50mm fixed	Northing (ITM)	713117	Checked by	RB
Rotor Diameter	276.0 m	Field of View (H° x V°)	90.0 x 14.2	Elevation / Cam Ht	495.2 m	Status	Final
Blade Tip Height	316.0 m	Date / Time of Capture	31-Mar-22 - 15:38	Distance to Nearest	55.3 km	Date	May 2024

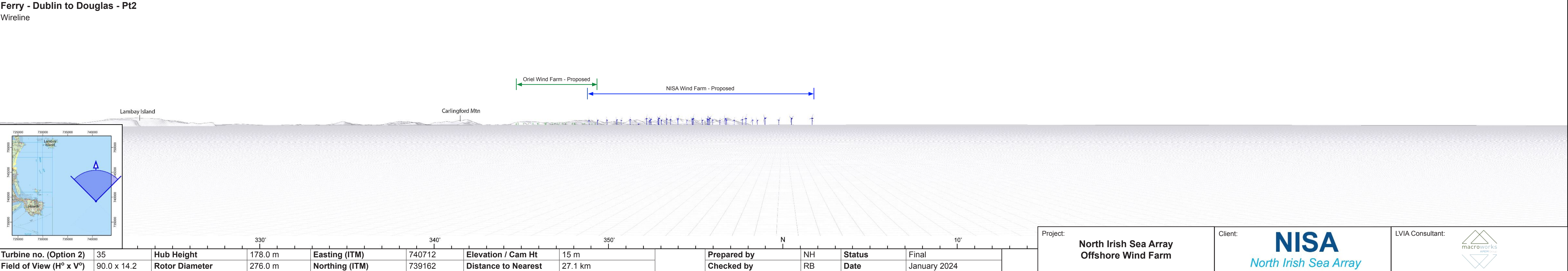
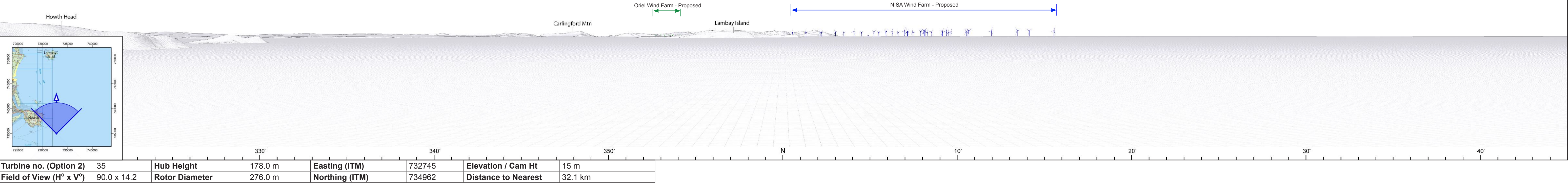
Project: **North Irish Sea Array
Offshore Wind Farm**

Client: **NISA**
North Irish Sea Array

LVIA Consultant: 

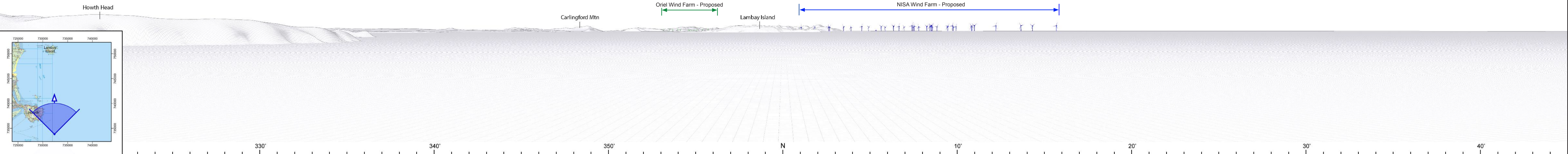
Marine and Aviation Transport Corridor Wireframes

Ferry - Dublin to Douglas - Pt1
Wireline



Ferry - Dublin to Hollyhead - Pt1

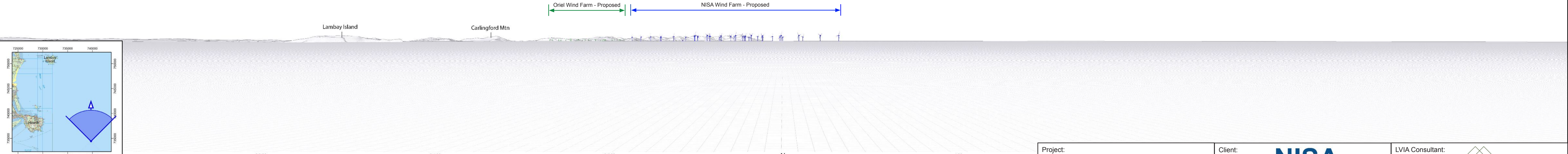
Wireline



Turbine no. (Option 2)	35	Hub Height	178.0 m	Easting (ITM)	732352	Elevation / Cam Ht	15 m
Field of View (H° x V°)	90.0 x 14.2	Rotor Diameter	276.0 m	Northing (ITM)	733843	Distance to Nearest	33.3 km

Ferry - Dublin to Hollyhead - Pt2

Wireline



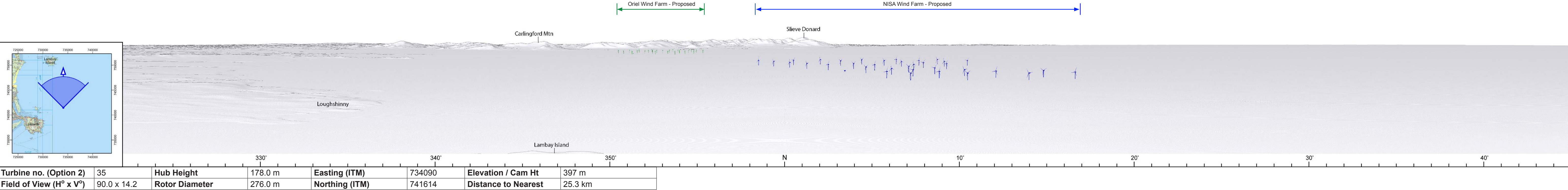
Turbine no. (Option 2)	35	Hub Height	178.0 m	Easting (ITM)	739720	Elevation / Cam Ht	15 m
Field of View (H° x V°)	90.0 x 14.2	Rotor Diameter	276.0 m	Northing (ITM)	734432	Distance to Nearest	31.8 km

Prepared by	NH	Status	Final
Checked by	RB	Date	January 2024

Project: North Irish Sea Array Offshore Wind Farm	Client: NISA <i>North Irish Sea Array</i>	LVIA Consultant: 
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Aircraft - London GTW to Dublin - Pt1

Wireline



Aircraft - London GTW to Dublin - Pt2

Wireline

