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Camera Location (ETRS89 utm 30N):	298384 E 5872661 N	Horizontal Field of View:	90° (Cylindrical projection)	Photo Date / Time:	17/09/2022 1
Ground Level (mAOD):	69.0m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS
Direction of View: bearing from North (0°) :	56°	Enlargement Factor:	96%	Lens Make, Model and Focal Length:	Canon RF50
Nearest Turbine	11.6km	Visualisation Type:	Туре 2	Height of Camera Lens above Ground (mAOD):	1.5m





besign Consulting Ltd. Quality Assured to BS EN ISO 9001 : 2015

Wireline drawing - Option A Layout

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Camera Location (ETRS89 utm 30N):	298384 E 5872661 N	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	17/09/2022 1
Ground Level (mAOD):	69.0m	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	Canon EOS F
Direction of View: bearing from North (0°):	56°	Enlargement Factor:	150%	Lens Make, Model and Focal Length:	Canon EF50r
Nearest Turbine:	11.6km	Visualisation Type:	Туре 2	Height of Camera Lens above Ground (mAOD):	1.5m

 /09/2022 11.00
 Hub / Blade tip height: 163m / 288m
 This wireframe is based upon Nextmap25 data with spot heights at 50m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The wireframe model does not allow for the screening effects of vegetation or buildings.

or sharp breaks in slope. The wireframe model does not allow for th screening effects of vegetation or buildings. The model of turbine shown is similar to that proposed for the development. 188 m Dunbur Lower Ilyguile

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codlin wind -To be viewed at comfortable arm's length

ng	PROJECT TITLE CODLING WIND PARK	DRAWING TITLE Viewpoint 16: Wicklow Lighthouse: Illustration of SAR Markings					
park	CWP DOC.NUMBER: CWP-LDA-CON-09-PIC-1505	FIGURE 15.18.16B DATE 31/05/2024 Sheet 2 of 5					





11.6km

Type 3

Visualisation Type

Height of Camera Lens above Ground (mAOD): 1.5m

Nearest Turbine:

The model of turbine shown is similar to that proposed for the development.

135 m llyguile More

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wind par

CWP DOC. NUMBER: CWP-LDA-CON-09-PIC-1507

FIGURE 15.18.16D

DATE 31/05/2024

Sheet 4 of 5

 $L D \overline{\Lambda} D E S | G N$

Camera Location (ETRS89 utm 30N):	NA	Horizontal Field of View:	53.5° (Planar projection)	Photo Date / Time:	17/09/2022 11.00
Ground Level (mAOD):	NA	Paper Size:	841mm x 297mm (Half A1)	Camera Model and Sensor Format:	NA
Direction of View: bearing from North (0°):	NA	Enlargement Factor:	NA	Lens Make, Model and Focal Length:	NA
Nearest Turbine:	NA	Visualisation Type:	Туре 3	Height of Camera Lens above Ground (mAOD):	NA

Extract of guidance from 'OREI SAR Requirements v3' referenced to prepare figures 9273_PM_16_SAR.2 & 9273_PM_16_SAR.3

5.5 Wind turbine blade hover reference marking

5.5.1 WTG blades need to be marked to provide a SAR helicopter pilot with a hover reference point when hovering over a nacelle during a rescue. This is necessary because SAR helicopters are large aircraft and the pilot (sitting on the right of the aircraft) may not be able to use objects or markings on the nacelle for reference because these are too far behind the pilot's location to be easily seen. The WTG blades are in the pilot's normal vision-arc and so are the best place for such markings.

5.5.2 Three marks are required on each blade - one each at the 10, 20 and 30 meter interval (starting from the hub end of the blade) and placed near th trailing edge of the blades so that, when they are feathered, and the blades are parked in the 'bunny ears' ('Y' position) or offset 'Y' (one or two blades angled forward into the wind), the marks lie upwards in view of the helicopter pilot.

5.5.4 The blade tip should also be marked in a contrasting shade to the turbines overall colour - red (RAL 3020) is considered to be most suitable (the amount of tip paint is dependent on the size of blade, but approximately 2% of the blade length should be sufficient). See image below. Where blade tips cannot be painted because of e.g. lightning protection material on the tip and/or leading edge, the developer is to offer alternative solutions for considera-tion by the MCA. A red band as near to the tip as possible, measuring 2% of the blade length, is considered an acceptable alternative by the MCA

Hub / Blade tip height: 163m / 288m

This photomontage is based upon Nextmap25 data with spot heights at 25m intervals and does not precisely model small scale changes in landform or sharp breaks in slope. The model of turbine shown is similar to that proposed for the development.

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5.5.3 The marks should be painted in a contrasting shade to the blades overall colour - red (RAL 3020) is considered to be most suitable. The diameter of the marks (dots are preferred) should be at least 600 Millimetres but may need to be larger according to the overall size and shape of the turbine and blades.

