

for EDF Renewables



Figure 5.9: Viewpoint CH05 - In-combination view from Byrecleugh,

Site Boundary

5km intervals from outermost turbines

LVIA study area 45km from outermost turbines

Theoretical blade tip visibility (220m)

1-4 turbines visible

5-8 turbines visible

9-12 turbines visible

13-15 turbines visible

\/ 53.5° Field of View

\/ 90° Field of View

The ZTV is calculated to turbine tip height (220m) from a viewing height of 2m above ground level.

The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in January 2023). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1.





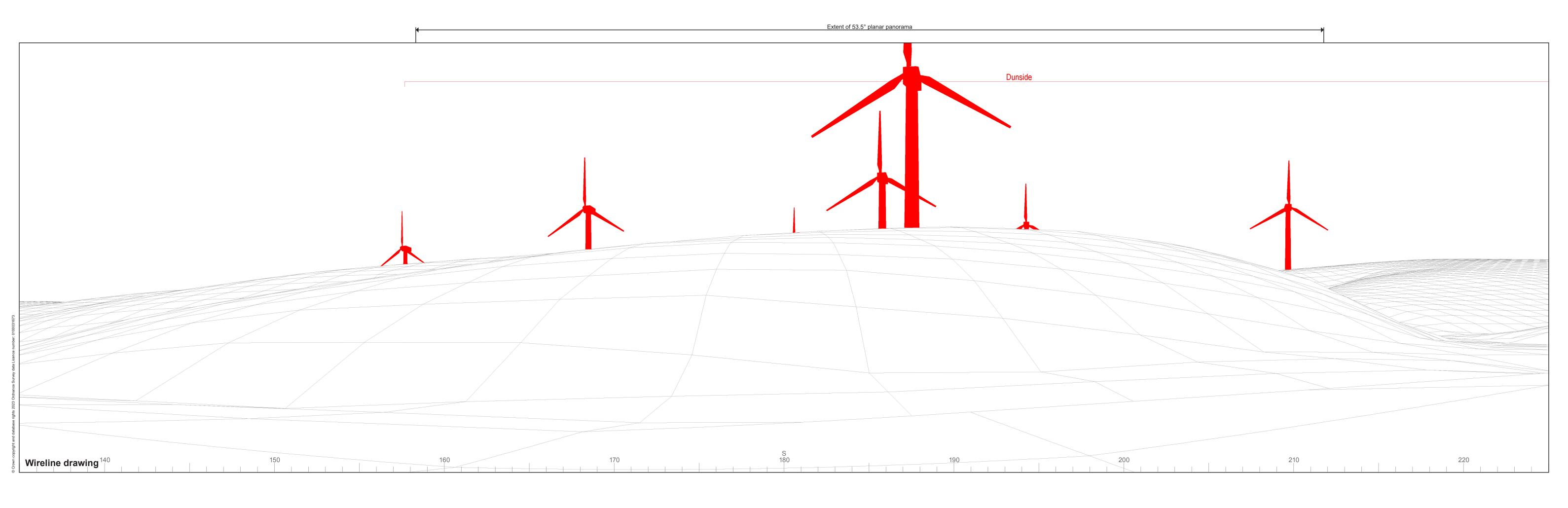


Direction of view: 180° Nearest turbine: 0.69 km

Horizontal field of view: 90° (cylindrical projection) Camera: Nikon D750
Principal distance: 522 mm Lens: 50mm Fixed Focal Length
Paper size: 841 x 297 mm (half A1) Camera height: 1.5 m

Photography Date: 14/02/2023 Photography Time: 15:05

Dunside Wind Farm Figure 5.9a Viewpoint CH05: In-combination view from Byrecleuch, Farmstead (SM4549)





Direction of view: 180° Nearest turbine: 0.69 km

OS reference: 361137 E 658912 N Horizontal field of view: 90° (cylindrical projection)
AOD: Principal distance: 522 mm Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 230 mm





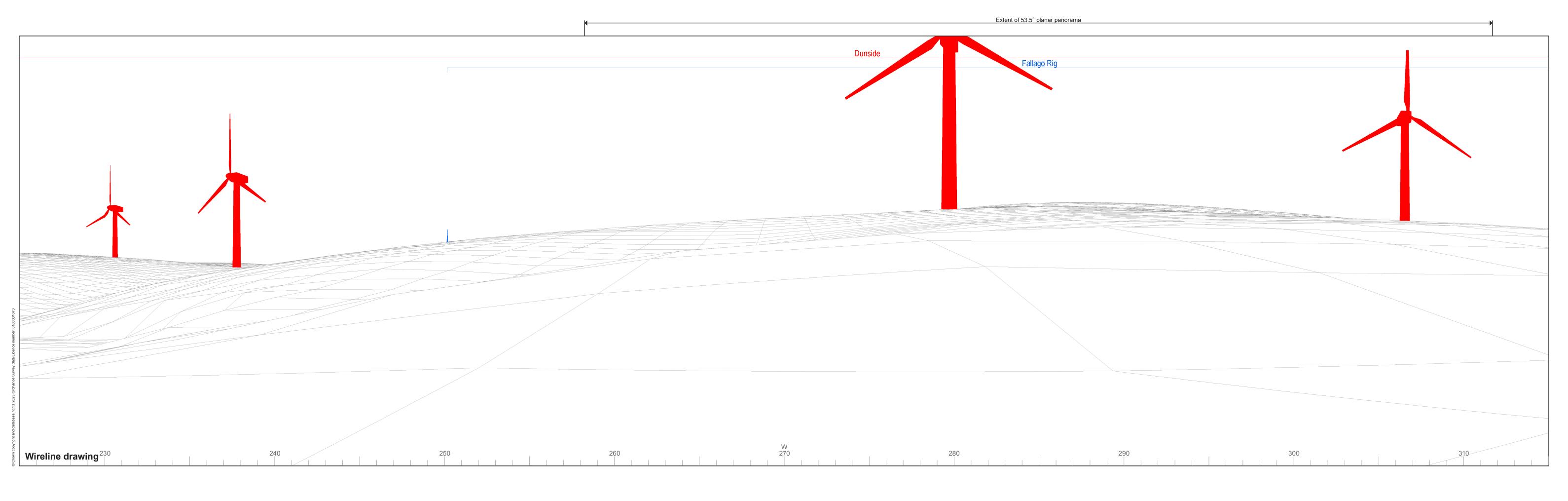
Direction of view: 270°
Nearest turbine: 0.69 km

Horizontal field of view: 90° (cylindrical projection) Camera: Nikon D750
Principal distance: 522 mm Lens: 50mm Fixed Focal Length
Paper size: 841 x 297 mm (half A1) Camera height: 1.5 m

Correct printed image size: 820 x 230 mm

Photography Date: 14/02/2023 Photography Time: 15:05

Figure 5.9c Viewpoint CH05: In-combination view from Byrecleuch, Farmstead (SM4549)





OS reference: 361137 E 658912 N
AOD: 329 m

Direction of view: 270°
Nearest turbine: 0.69 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 230 mm

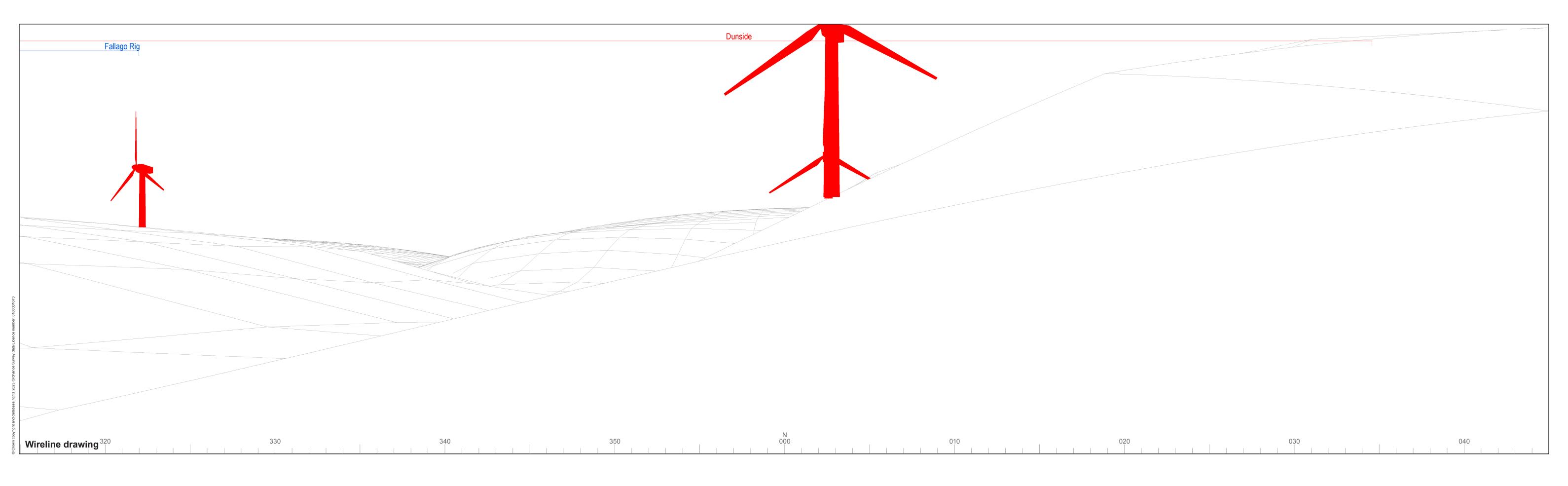




OS reference: 361137 E 658912 N
AOD: 329 m
Direction of view: 0°
Nearest turbine: 0.69 km

Horizontal field of view: 90° (cylindrical projection) Camera: Nikon D750
Principal distance: 522 mm Lens: 50mm Fixed Focal Length
Paper size: 841 x 297 mm (half A1) Camera height: 1.5 m

Photography Date: 14/02/2023 Photography Time: 15:05

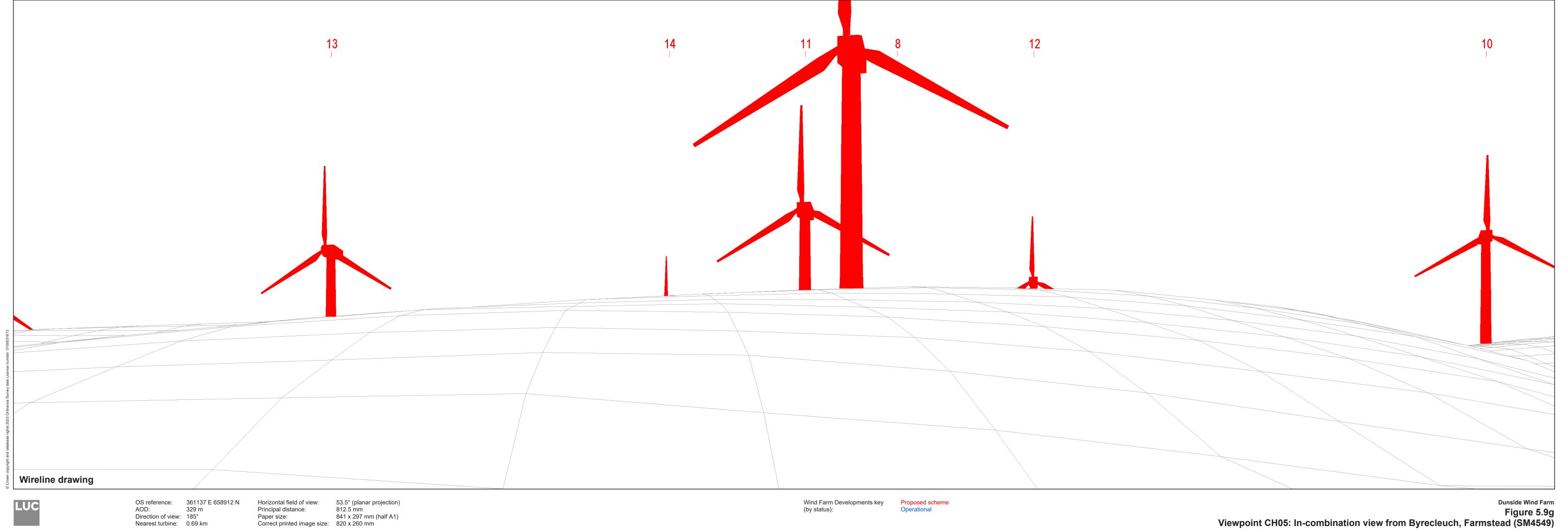




OS reference: 361137 E 658912 N
AOD: 329 m

Direction of view: 0°
Nearest turbine: 0.69 km

Horizontal field of view: 90° (cylindrical projection)
Principal distance: 522 mm
Paper size: 841 x 297 mm (half A1)
Correct printed image size: 820 x 230 mm







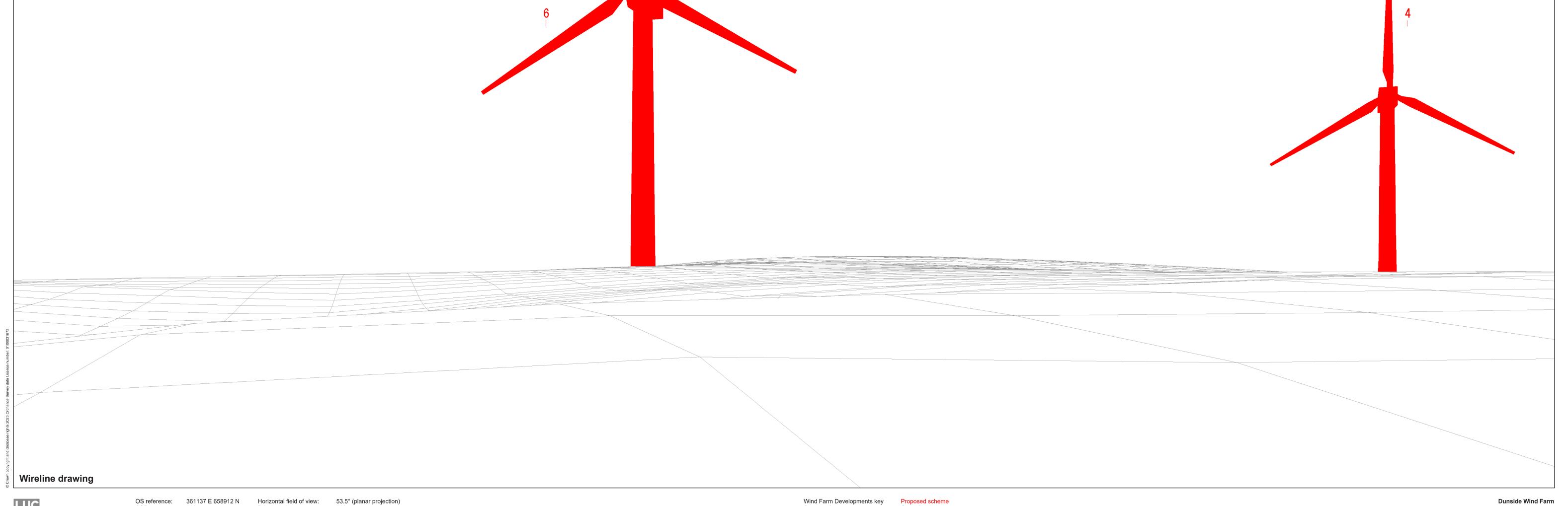
OS reference: 361137 E 658912 N Horizontal field of view: 53.5° (planar projection)

AOD: 329 m Principal distance: 812.5 mm Lens: 50mm Fixed Focal Length

Direction of view: 185° Paper size: 841 x 297 mm (half A1)

Nearest turbine: 0.69 km Correct printed image size: 820 x 260 mm

Photography Date: 14/02/2023 Photography Time: 15:05





OS reference: 361137 E 658912 N Horizontal field of view: 53.5° (planar projection)
AOD: 329 m Principal distance: 812.5 mm
Direction of view: 285° Paper size: 841 x 297 mm (half A1)
Nearest turbine: 0.69 km Correct printed image size: 820 x 260 mm

Wind Farm Developments key (by status): Proposed scheme Operational



Direction of view: 285°
Nearest turbine: 0.69 km

Horizontal field of view: 53.5° (planar projection) Camera: Nikon D7
Principal distance: 812.5 mm Lens: 50mm Fix
Paper size: 841 x 297 mm (half A1) Camera height: 1.5 m
Correct printed image size: 820 x 260 mm

Nikon D750 50mm Fixed Focal Length

Photography Date: 14/02/2023 Photography Time: 15:05