APPENDIX 14A

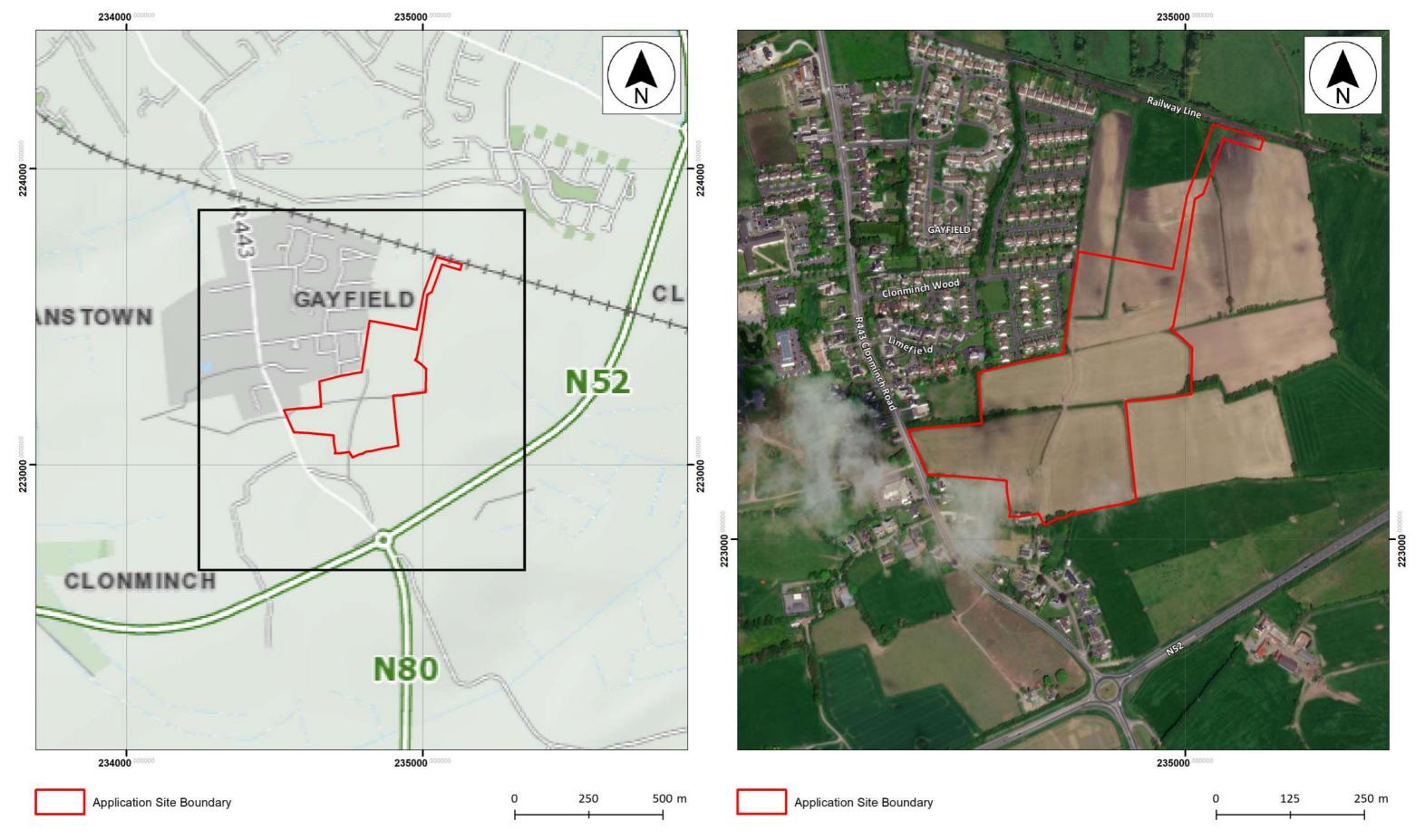
PHASE ONE OF THE EASTERN NODE SOUTHERN ENVIRONS MASTERPLAN
RESIDENTIAL AND NEIGHBOURHOOD DEVELOPMENT
CLONMINCH, TULLAMORE, CO OFFALY

LVIA FIGURES AND REPRESENTATIVE VIEWPOINTS

JUNE 2021 / PROJECT NO. 6473

REVB





6473 | June 2021



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Figure 14.2: Existing Landscape Setting

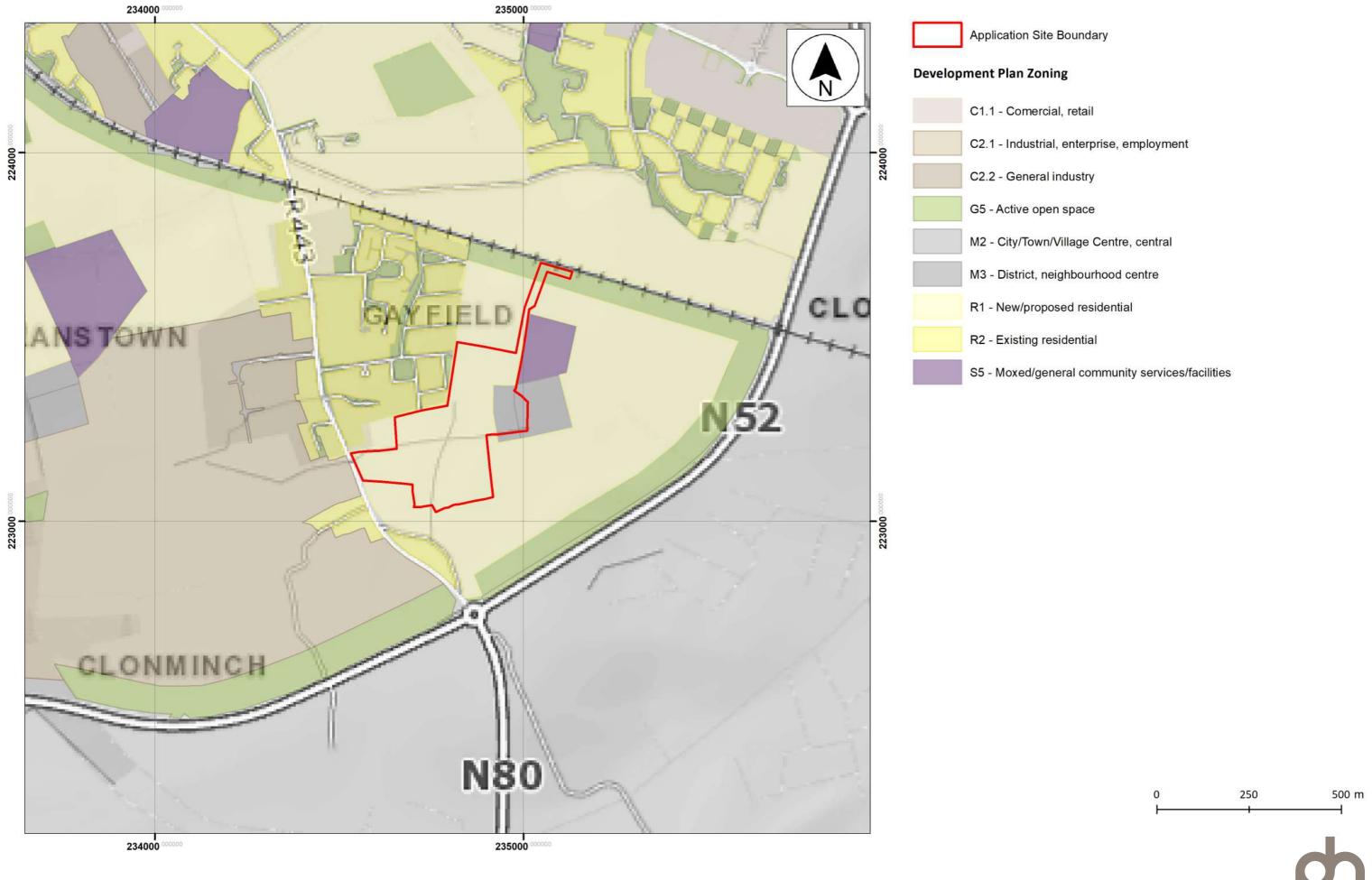
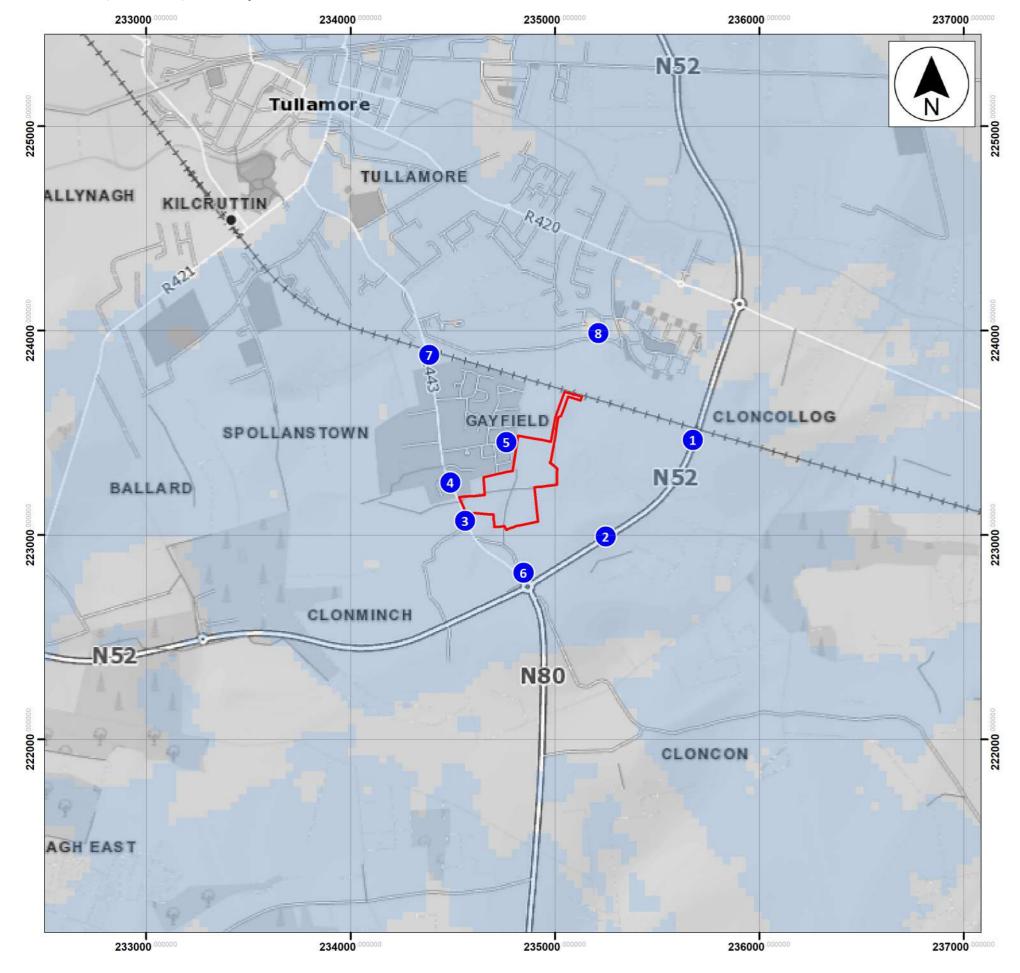


Figure 14.3: Development Zones



Application Site Boundary

Proposed ZTV

Areas from which there are potential views based on ZTV analysis of the highest building within the site (8m)

The ZTV indicates the theoretical visibility of the proposed development based on a Digital Terrain Model (DTM) and of the proposed building overlaid on an Ordinance Survey NI Map and the AutoCad model of the proposed building. It does not convey the nature, significance or magnitude of any visual effect but is used as a baseline visual assessment tool to determine broad areas within the study area where there is a potential view of any part of the proposed development.

The ZTV is produced using a specialised software package (Globalmapper) and involves the following:-

- Construction of a three-dimensional digital terrain model (DTM) of the study area compiled using OSNI digital terrain data (10m grid);
- Viewer height is 1.5m above ground level;
- Allowance is made within the calculations for earth curvature and light refraction;
- The ZTV software does not use mathematically approximate methods.

The ZTV provenance lies purely with contour data and represents visibility as if the ground surface were bare. It takes no account of the screening effects of intervening elements such as trees, hedgerows, buildings or smaller hills (less than 10m) and prevailing weather conditions. In this way the ZTV can be said to represent a worst case scenario.

Viewpoint Locations

- 1. N52 Tullamore Bypass (Railway Crossing)
- 2. N52 Tullamore Bypass
- 3. R443 Clonminch Road (northbound)
- 4. R443 Clonminch Road (southbound)
- 5. Clonminch Wood, Gayfield
- 6. Residential Area off (Old) Clonminch Road
- 7. R443 Clonminch Road (near railway bridge)
- 8. Chancery Lane (open space)

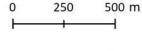


Figure 14.4: Zones of Theoretical Visibility and Viewpoints Map



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Wireframe and Verification





OS reference:	235676 E 223466 N
Eye level:	70m AOB
Direction of view:	279°
Distance to site:	668.9m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	001/06/2020 09:50



Figure 14.7: Viewpoint 1 | N52 Tullamore Bypass (Railway Crossing)



Figure 14.8: Viewpoint 1 | N52 Tullamore Bypass (Railway Crossing)

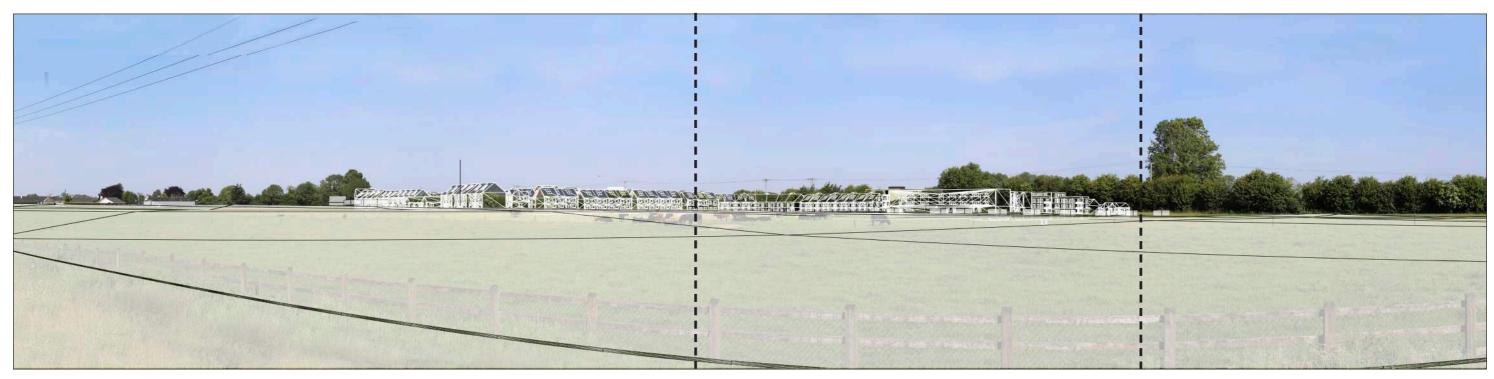


Existing



OS reference:	235676 E 223466 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	70m AOB	Paper size:	420 x 297 mm (A3)	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	279°	Correct printed image size:	390 x 94 mm	Camera height:	1.5m AGL
Distance to site:	668.9m			Date and time:	01/06/2020 09:50





Wireframe and Verification





OS reference:	235676 E 223466 N
Eye level:	70m AOB
Direction of view:	279°
Distance to site:	668.9m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	01/06/2020 10:02





Figure 14.11: Viewpoint 2 | N52 Tullamore Bypass

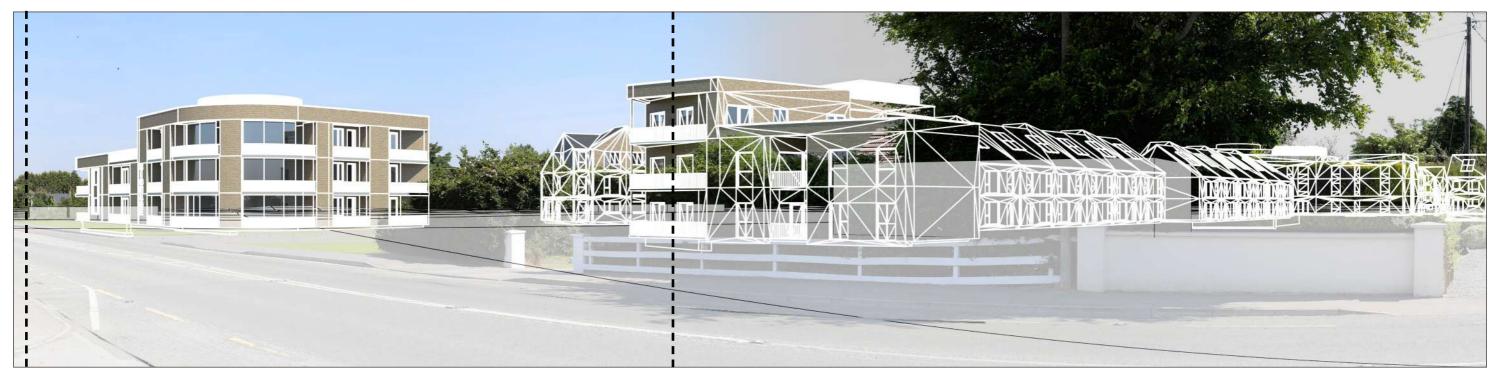


Existing



OS reference:	235676 E 223466 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	70m AOB	Paper size:	420 x 297 mm (A3)	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of vie	ew: 279°	Correct printed image size:	390 x 94 mm	Camera height:	1.5m AGL
Distance to site	668.9m			Date and time:	01/06/2020 10:02





Wireframe and Verification





OS reference:	234561 E 223069 N
Eye level:	74.2m AOB
Direction of view:	5°
Distance to site:	41m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	01/06/2020 11:30







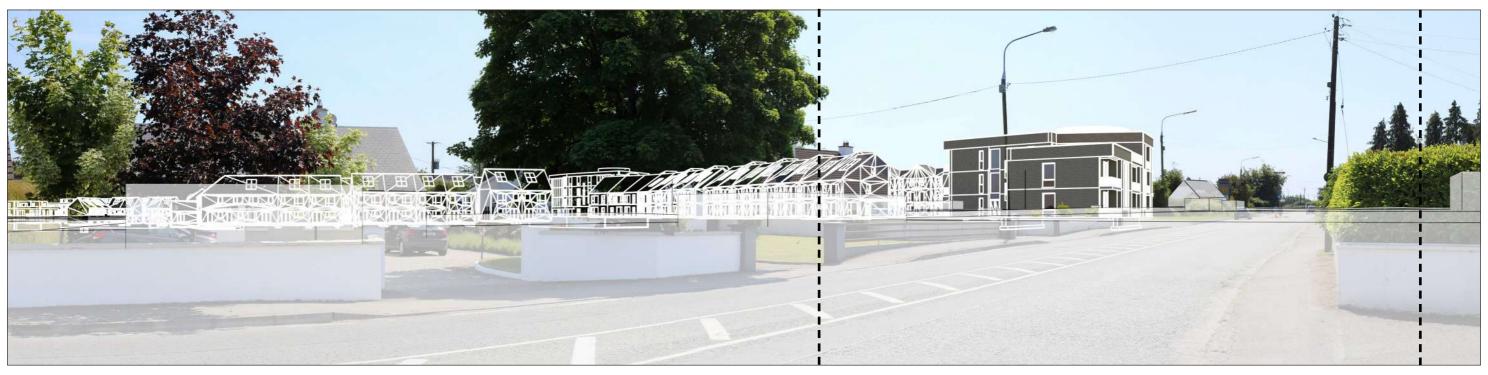


Existing



OS reference:	234561 E 223069 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	74.2m AOB	Paper size:	420 x 297 mm (A3)	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	5°	Correct printed image size:	390 x 94 mm	Camera height:	1.5m AGL
Distance to site:	41m			Date and time:	01/06/2020 11:30





Wireframe and Verification





OS reference:	234489 E 223258 N
Eye level:	71.5m AOB
Direction of view:	150°
Distance to site:	84.8m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	00/00/2020 11:38









Existing



OS reference:	234489 E 223258 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	71.5m AOB	Paper size:	420 x 297 mm (A3)	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	150°	Correct printed image size:	390 x 94 mm	Camera height:	1.5m AGL
Distance to site:	84.8m			Date and time:	00/00/2020 11:38





Wireframe and Verification





OS reference:	234769 E 223455 N
Eye level:	70.5m AOB
Direction of view:	98°
Distance to site:	51.7m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	01/06/2020 11:45









Existing



OS reference:	234769 E 223455 N	Horizontal field of view:	90° (cylindrical projection)	Camera:	Canon EOS 6D
Eye level:	70.5m AOB	Paper size:	420 x 297 mm (A3)	Lens:	50mm (Canon EF 50mm f/1.8)
Direction of view:	98°	Correct printed image size:	390 x 94 mm	Camera height:	1.5m AGL
Distance to site:	51.7m			Date and time:	01/06/2020 11:45





Extent of Application Site



OS reference:	234846 E 222815 N
Eye level:	76.5m AOB
Direction of view:	338°
Distance to site:	226.6m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	01/06/2020 10:09





Extent of Application Site





OS reference:	234385 E 223881 N
Eye level:	65.7m AOB
Direction of view:	132°
Distance to site:	587.2m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	001/06/2020 11:56





Wireframe and Verification





OS reference:	235214 E 223987 N
Eye level:	65.7m AOB
Direction of view:	195°
Distance to site:	321.1m
Horizontal field of view:	90° (cylindrical projection)
Paper size:	420 x 297 mm (A3)
Correct printed image size:	390 x 94 mm
Camera:	Canon EOS 6D
Lens:	50mm (Canon EF 50mm f/1.8)
Camera height:	1.5m AGL
Date and time:	01/06/2020 12:05





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