

### Legend

- Turbine location
  - Lit turbine: 1
- Distance to turbines (5km intervals)
- Site boundary
- Vertical angles
  - 1 to <math><-2</math> degrees
  - 0 to <math><-1</math> degrees
  - <math><0</math> to <math>-1</math> degrees
  - <math><-1</math> to <math>-2</math> degrees
  - <math><-2</math> to <math>-3</math> degrees
  - <math><-3</math> to <math>-4</math> degrees
  - <math><-4</math> degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 155m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title  
 Hub Lighting Zone of Theoretical Visibility to 20km showing Angle of Light Emission - Turbine 1

Project Name  
 Watchman Energy Park

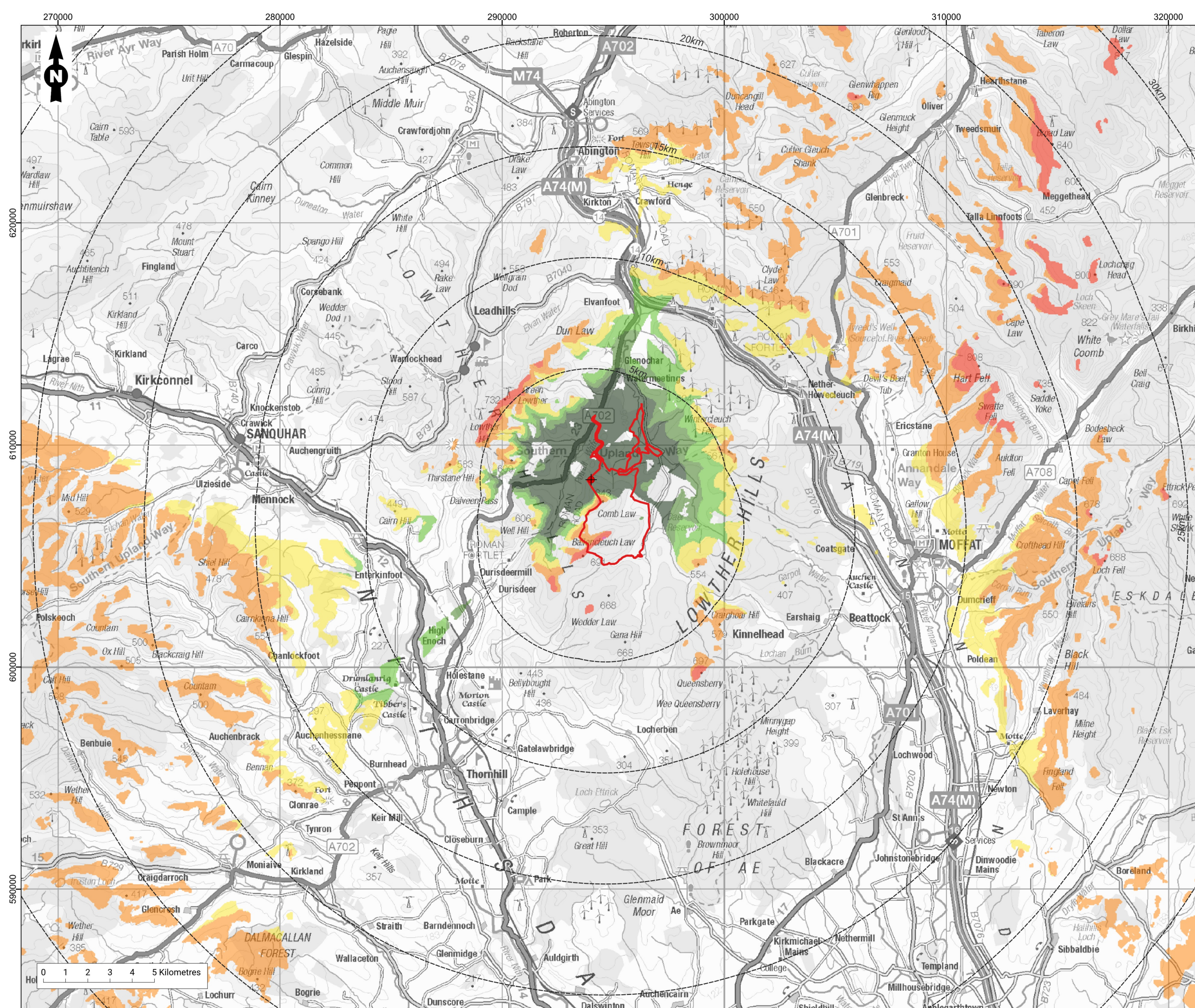
Project No.  
 24014

Date	Figure No.	Revision
October 2025	4.18.1	r0

Prepared By	Scale
AS	1:160,000 @ A3

Client  
 Watchman Energy Park Ltd





### Legend

- Turbine location
  - Lit turbine: 2
- Distance to turbines (5km intervals)
  -
- Site boundary
  -
- Vertical angles
  - 1 to <math><2</math> degrees
  - 0 to <math><1</math> degrees
  - <math><0</math> to <math>-1</math> degrees
  - <math><-1</math> to <math>-2</math> degrees
  - <math><-2</math> to <math>-3</math> degrees
  - <math><-3</math> to <math>-4</math> degrees
  - <math><-4</math> degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 155m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title  
 Hub Lighting Zone of Theoretical Visibility to 20km showing Angle of Light Emission - Turbine 2

Project Name  
 Watchman Energy Park

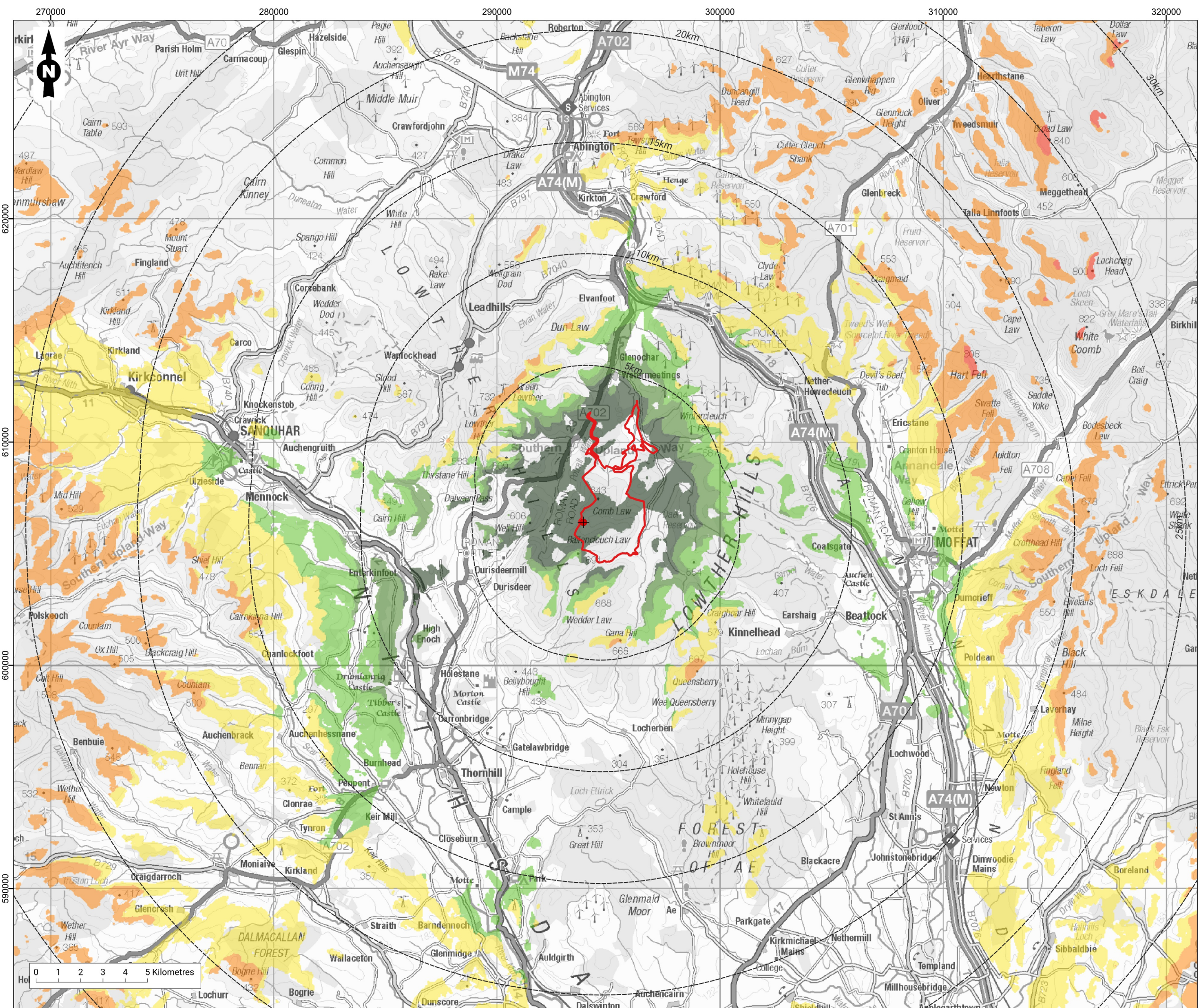
Project No.  
 24014

Date	Figure No.	Revision
October 2025	4.18.2	r0

Prepared By	Scale
AS	1:160,000 @ A3

Client  
**Watchman Energy Park Ltd**





### Legend

- Turbine location
  - Lit turbine: 7
- Distance to turbines (5km intervals)
  -
- Site boundary
  -
- Vertical angles
  - 0 to <1 degrees
  - <0 to -1 degrees
  - <-1 to -2 degrees
  - <-2 to -3 degrees
  - <-3 to -4 degrees
  - <-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 155m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title  
 Hub Lighting Zone of Theoretical Visibility to 20km showing Angle of Light Emission - Turbine 7

Project Name  
 Watchman Energy Park

Project No.  
 24014

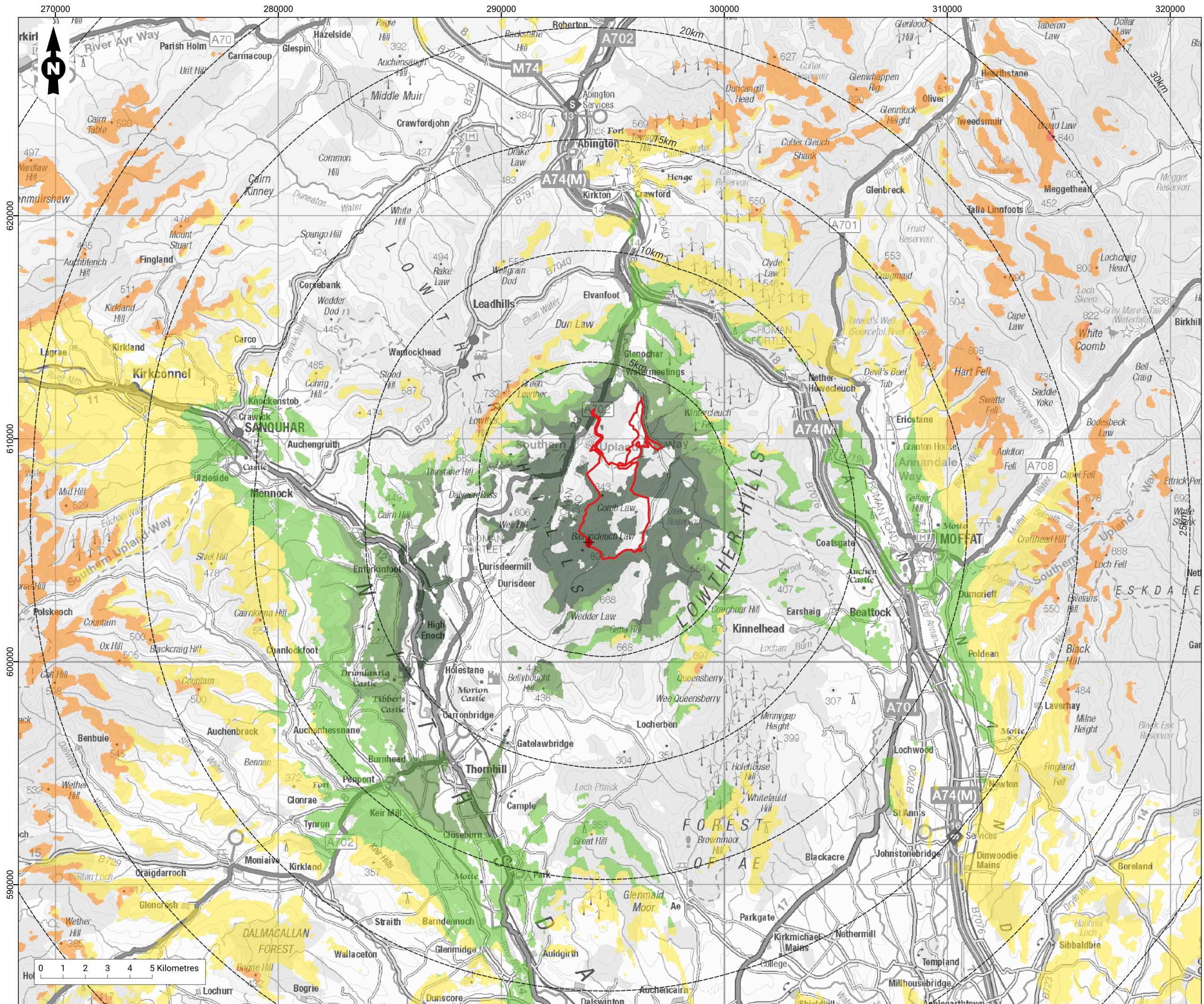
Date	Figure No.	Revision
October 2025	4.18.3	r0

Prepared By  
 AS

Scale  
 1:160,000 @ A3

Client  
**Watchman Energy Park Ltd**





### Legend

- Turbine location
  - Lit turbine: 8
- Distance to turbines (5km intervals)
  - (dashed line)
- Site boundary
  - (red outline)
- Vertical angles
  - 0 to <1 degrees (red)
  - <1 to <2 degrees (orange)
  - <2 to <3 degrees (yellow)
  - <3 to <4 degrees (light green)
  - <4 degrees and below (dark green)

Notes: The ZTV shows vertical angles calculated for a hub height of 155m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title  
 Hub Lighting Zone of Theoretical Visibility to 20km showing Angle of Light Emission - Turbine 8

Project Name  
 Watchman Energy Park

Project No.  
 24014

Date	Figure No.	Revision
October 2025	4.18.4	r0

Prepared By	Scale
AS	1:160,000 @ A3

Client  
**Watchman Energy Park Ltd**

