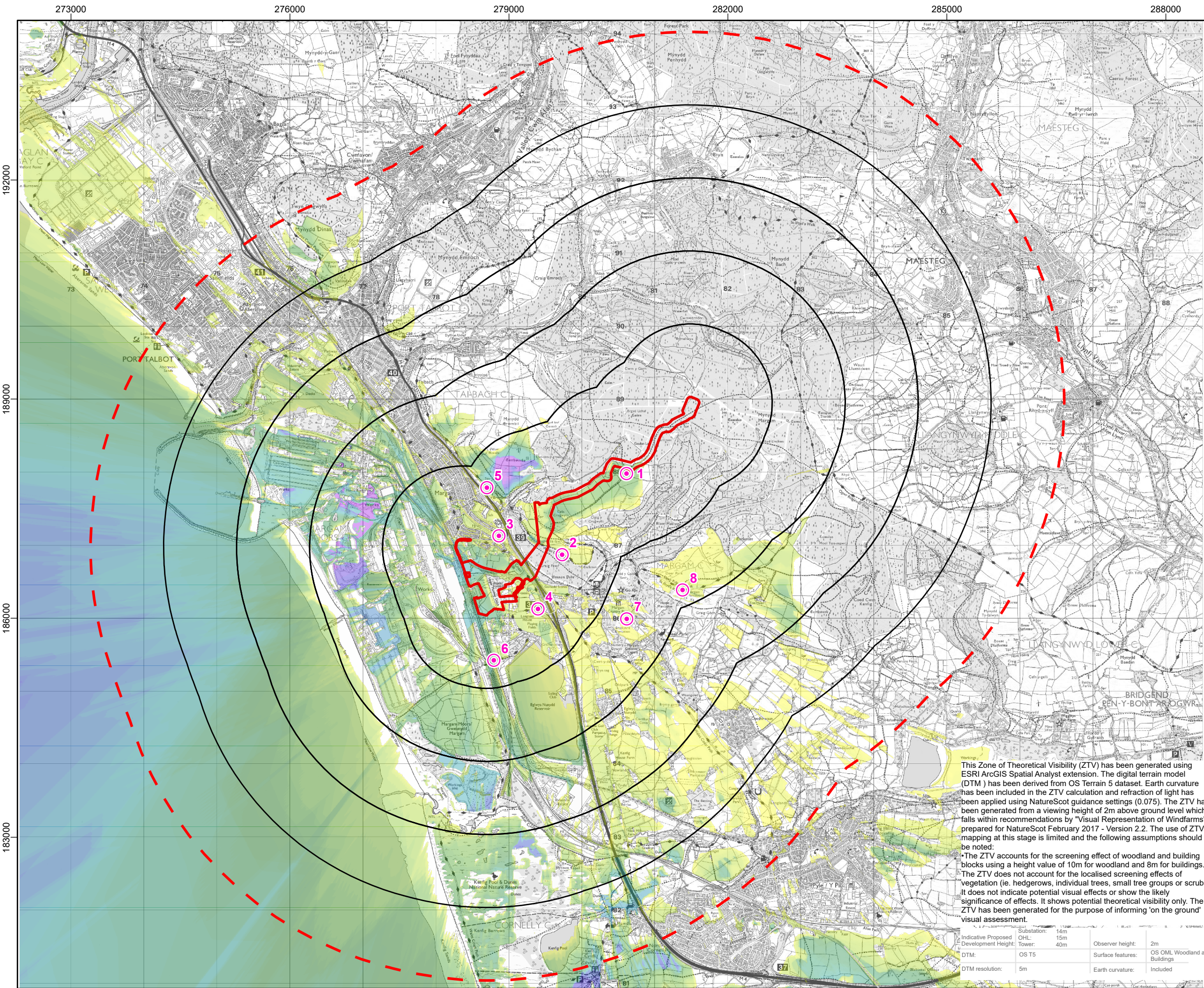




Project:

Y Bryn Grid Connection, Neath Port Talbot

Title:

Figure 10.6: Screened ZTV with Viewpoints

Key

- Scoping Boundary
- 1km Radii
- 5km Study Area
- Viewpoint

- 1 - Cistercian Way on Cefn Crugwyllt
- 2 - Wales Coast Path, South of Crugwyllt-fawr
- 3 - Beechwood Road, Margam
- 4 - Longlands Lane, M4 Margam Interchange
- 5 - Wales Coast Path, North of Brombil
- 6 - Wales Coast Path, Margam Moor
- 7 - Margam Country Park
- 8 - St Illtyds Walk, Margam Deer Park

Theoretical Zone of Visibility (ZTV) Screened

Theoretical Visibility of Above Ground Indicative Proposed Development

Higher Visibility

Lower Visibility

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Scale @ A3: 1:51,000

Coordinate System: British National Grid

0 0.5 1 1.5 2 km

N

Date: 16-09-25	Prepared by: GG	Checked by: SH
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Ref: 405.V14132.00003.0006.1

Drawing by:

SLR Consulting Limited,
The Tun, 4 Jackson's Entry,
Edinburgh,
United Kingdom
EH8 8PJ

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension. The digital terrain model (DTM) has been derived from OS Terrain 5 dataset. Earth curvature has been included in the ZTV calculation and refraction of light has been applied using NatureScot guidance settings (0.075). The ZTV has been generated from a viewing height of 2m above ground level which falls within recommendations by "Visual Representation of Windfarms" prepared for NatureScot February 2017 - Version 2.2. The use of ZTV mapping at this stage is limited and the following assumptions should be noted:

- The ZTV accounts for the screening effect of woodland and building blocks using a height value of 10m for woodland and 8m for buildings.
- The ZTV does not account for the localised screening effects of vegetation (ie. hedgerows, individual trees, small tree groups or scrub).
- It does not indicate potential visual effects or show the likely significance of effects. It shows potential theoretical visibility only. The ZTV has been generated for the purpose of informing 'on the ground' visual assessment.

Indicative Proposed Development Height:	Substation: 14m OHL: 15m Tower: 40m	Observer height: 2m
DTM:	OS T5	Surface features: OS OML Woodland and Buildings
DTM resolution:	5m	Earth curvature: Included