



CLUNE WIND FARM

FIGURE 7.1

CULTURAL HERITAGE DESIGNATIONS

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- Site Boundary
- Proposed Turbine Location - 5km Buffer
- Proposed Turbine Location - 10km Buffer
- Proposed Turbine Location
- Listed Building (Category)**
 - A (Out to 10 km)
 - B (Out to 5 km)
- Scheduled Monument (Point)
- Zone of Theoretical Visibility (ZTV): Bare Earth to Tip Height (200m)**
- Value**
 - High: 27 Turbine Visible
 - Low: 1 Turbine Visible



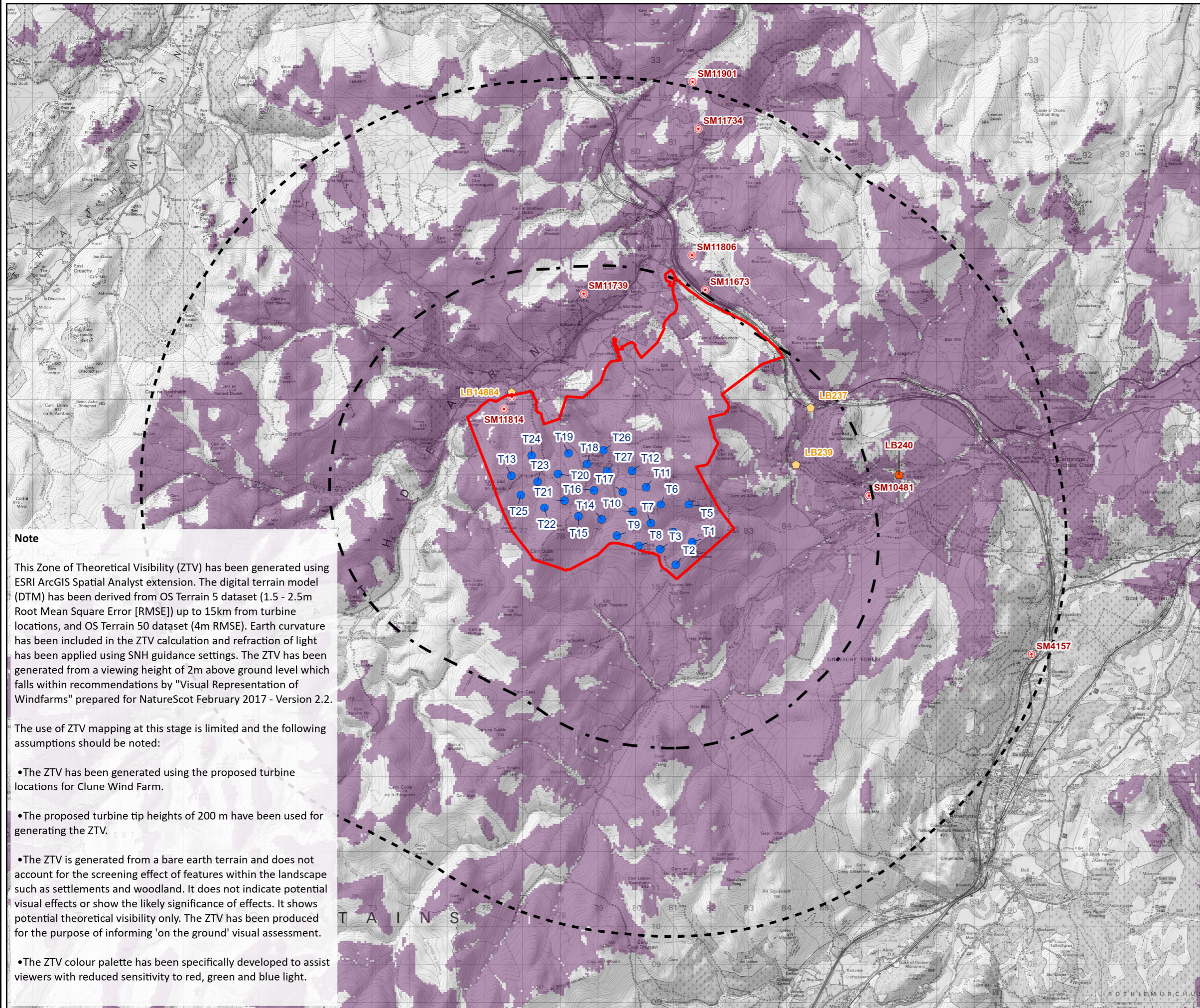
LAYOUT DWG: TBC T-LAYOUT NO.: PSCOCLU020_20231211

DRAWING NUMBER: **405.064807.00001.0003.0**

SCALE - 1:100,000 @ A3

CULTURAL HERITAGE SCOPING REPORT 2024

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Note

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 (1.5 - 2.5m Root Mean Square Error [RMSE]) up to 15km from turbine locations, and OS Terrain 50 dataset (4m RMSE). Earth curvature has been included in the ZTV calculation and refraction of light has been applied using SNH guidance settings. 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 has been generated using the proposed turbine locations for Clune Wind Farm.
- The proposed turbine tip heights of 200 m have been used for generating the ZTV.
- The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. It does not indicate potential visual effects or show the likely significance of effects. It shows potential theoretical visibility only. The ZTV has been produced for the purpose of informing 'on the ground' visual assessment.
- The ZTV colour palette has been specifically developed to assist viewers with reduced sensitivity to red, green and blue light.