



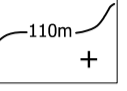
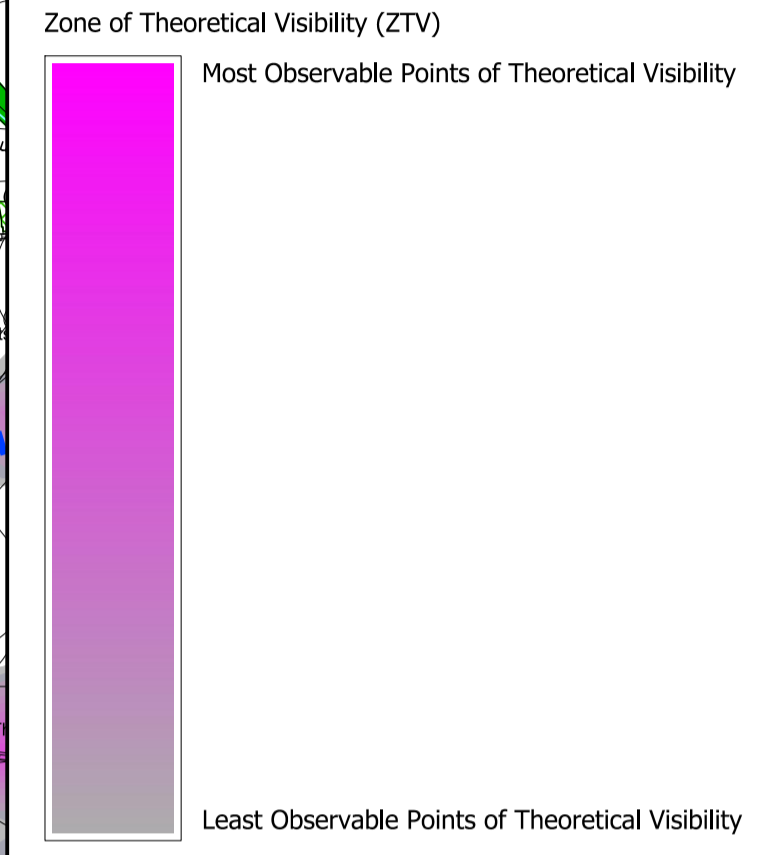


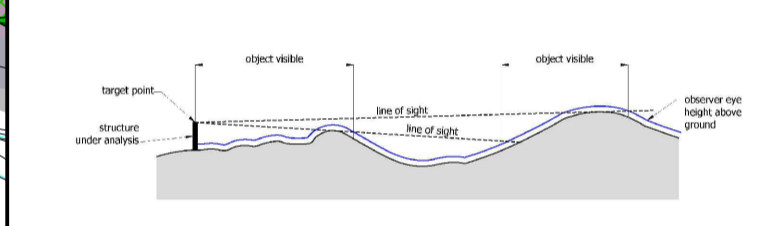
FIGURE 7.1
ZONE OF THEORETICAL VISIBILITY

LEGEND

-  Site Boundary
-  Existing Woodlands, Copses and Tree Belts ^
-  Existing Scrub ^
-  Existing Water Courses and Features ^
-  Contours/Spot Heights (Metres AOD) ^



Notes:
 The Zone of Theoretical Visibility (ZTV) provides an approximate portrayal of the greatest possible extent of visibility of the Proposed Development, on the basis of a digital ground model (DTM). The extent and nature of specific views towards the Proposed Development is to be verified through fieldwork to take account of other visual barriers, such as existing buildings, woodland, trees and infrastructure.
 • The ZTV is produced using the specialised software package Key-Terra Firms which is an AutoCAD based application.
 • The ZTV is produced by calculating the 'line of sight' from target points to analysis end.



- Parameters:**
- The study area for the ZTV is 7.0 x 5.5 km;
 - The ZTV accounts for ground topography on the basis of a model made from Ordnance Survey Terrain 50 data in the form of 3D points data on a 50m grid;
 - The ZTV accounts for woodland blocks at an assumed height of 20m and existing built form at an assumed height of 10m, however, does not account for individual trees and hedgerows or infrastructure;
 - The ZTV is based on 117 targets on a regular grid across the site and following the boundary at 100m intervals, at a height of 3m above existing ground level;
 - The ZTV assumes an observer height of 1.7m above ground level; and
 - The ZTV portrays the extent of visibility of the Proposed Development on the basis of if a target point is visible within a given 50m grid square.


Sources:
 A: OS Mapping
 Data collected for constraints and analysis mapping is based on publicly available sources at the time of preparation. Errors may occur and may affect the accuracy. Stantec shall not be liable for the accuracy of data derived from external sources.

FIGURE 7.1

Project: **Allestion Clean Energy**

Zone of Theoretical Visibility (ZTV) Plan

Date: 03.10.2023	Scale: 1:10,000 @A1 1:20,000 @A3	Drawn by: GS	Check by: FS
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