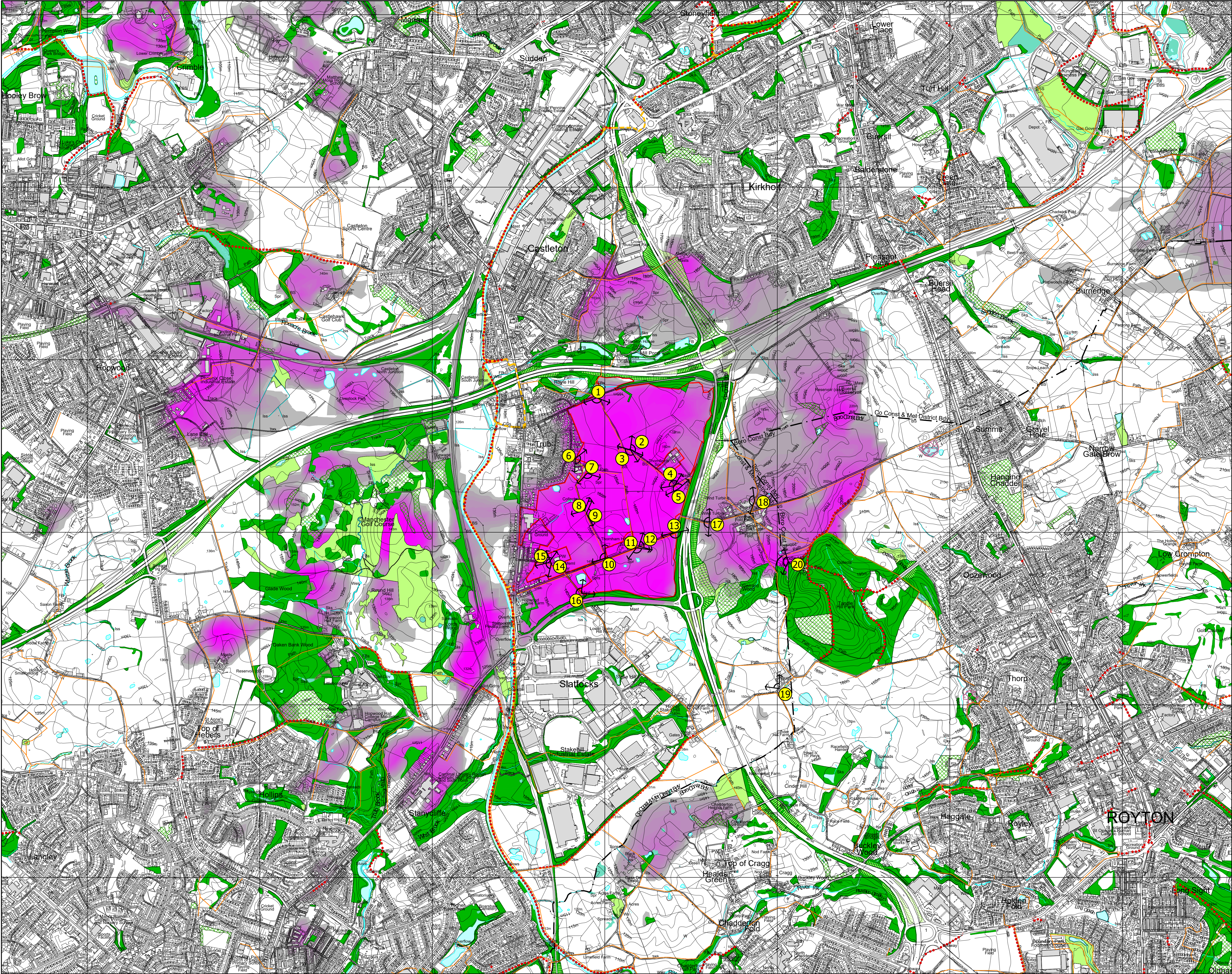




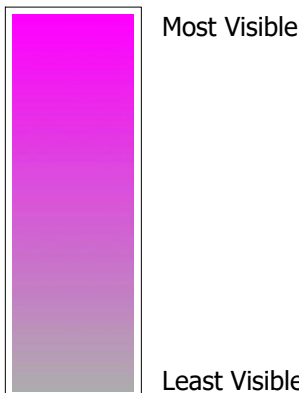
The scaling of this drawing cannot be assured

Revision Date Dm Ckd

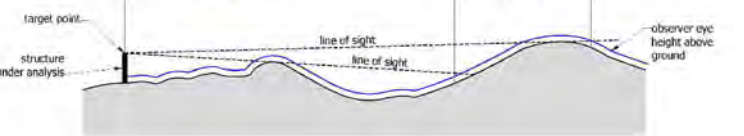
## LEGEND

- Site Boundary
- Existing Woodlands, Copses and Tree Belts ^
- Existing Scrub ^
- Existing Water Courses and Features ^
- Contours/Spot Heights (Metres AOD) ^
- Public Rights of Way \*
- Countryside Rights of Way Access Areas #
- Cycle Route ++
- Location of Photographic Viewpoints (Site Context Photographs: 1-20)

### Zone of Theoretical Visibility (ZTV)



**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  
• Firma 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 does not account for existing features, other than woodland blocks and existing buildings, derived from OS Mapping, with the following assumptions:  
Buildings: 8.5m high  
Woodland Blocks: 12m;
  - The ZTV is based on 118 target points across the development area;
  - 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:  
^ OS Mapping  
# Natural England GIS Data Set  
+ Substrans National Cycle Network GIS Data  
++ Department of Transport Cycle Network Model

Data collected for constraints and analysis mapping is based on publicly available sources at the time of preparation. Whilst the data is believed to be accurate, Barton Willmore, now Stantec shall not be liable for the accuracy of data derived from external sources.

## FIGURE 5

Project  
Land at Manchester Road  
Middleton  
Drawing Title  
Visual Appraisal Plan

Date  
16.05.2023  
Scale  
1:10,000 @A1  
1:20,000 @A3  
Project No  
31599  
Drawing No  
LN-LP-05  
Drawn by  
RL  
Check by  
MF  
Revision  
A

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