

**National Asset Delivery
Technical Surveys and Testing**

**Site Information for Wynhol Viaduct
Lower Northbound M5 151.30/B and
Wynhol Viaduct Upper Southbound M5
151.30/A**

1 SITE INFORMATION

The two Wynhol Viaducts carry the M5 Northbound over woodland south east of Clapton-in-Gordano.

The structures consists of a segmental twin-cell post-tensioned concrete box girder which was cast in-situ. The structures have continuous spans supported on reinforced concrete piers, the tops of which are also post-tensioned. The abutments are in-situ reinforced concrete boxes 10.85m in width but vary in length according to the ground level profile.

Articulation is provided by roller bearings to the abutments, with hinge joints to tops of all columns and bottoms of three columns per structure.

Constraints on access as follows:

- The structures carry M5 northbound and southbound (3 lanes and hardshoulder) (Traffic Management required for elements of work detailed in the Works Information);
- Some of the internal pipework contains chrysotile (asbestos cement);
- Access to cells via abutments (locked doors, keys to be obtained from Highways England prior to entry);
- Bats (including lesser horseshoe bat) roosting in abutments; major colony with over 100 bats observed (bat licence required for elements of work detailed in the Works Information);
- The structures are adjacent, approximately 10m difference in height between the two structures;
- Substantial forest underneath / within the vicinity of structures;
- Steep slope underneath structures;
- Vehicular access underneath structures via third party land;
- Access underneath the structures via Clevedon Lane unsuitable for HGVs;
- Shallow post-tensioned tendons within the top of deck slab.

1.1 Maps

The following maps have been extracted from iGIS and contain information on the site locations, access and surrounding habitats.

FOR INFORMATION ONLY

1.1 Site boundary, extents and access arrangements

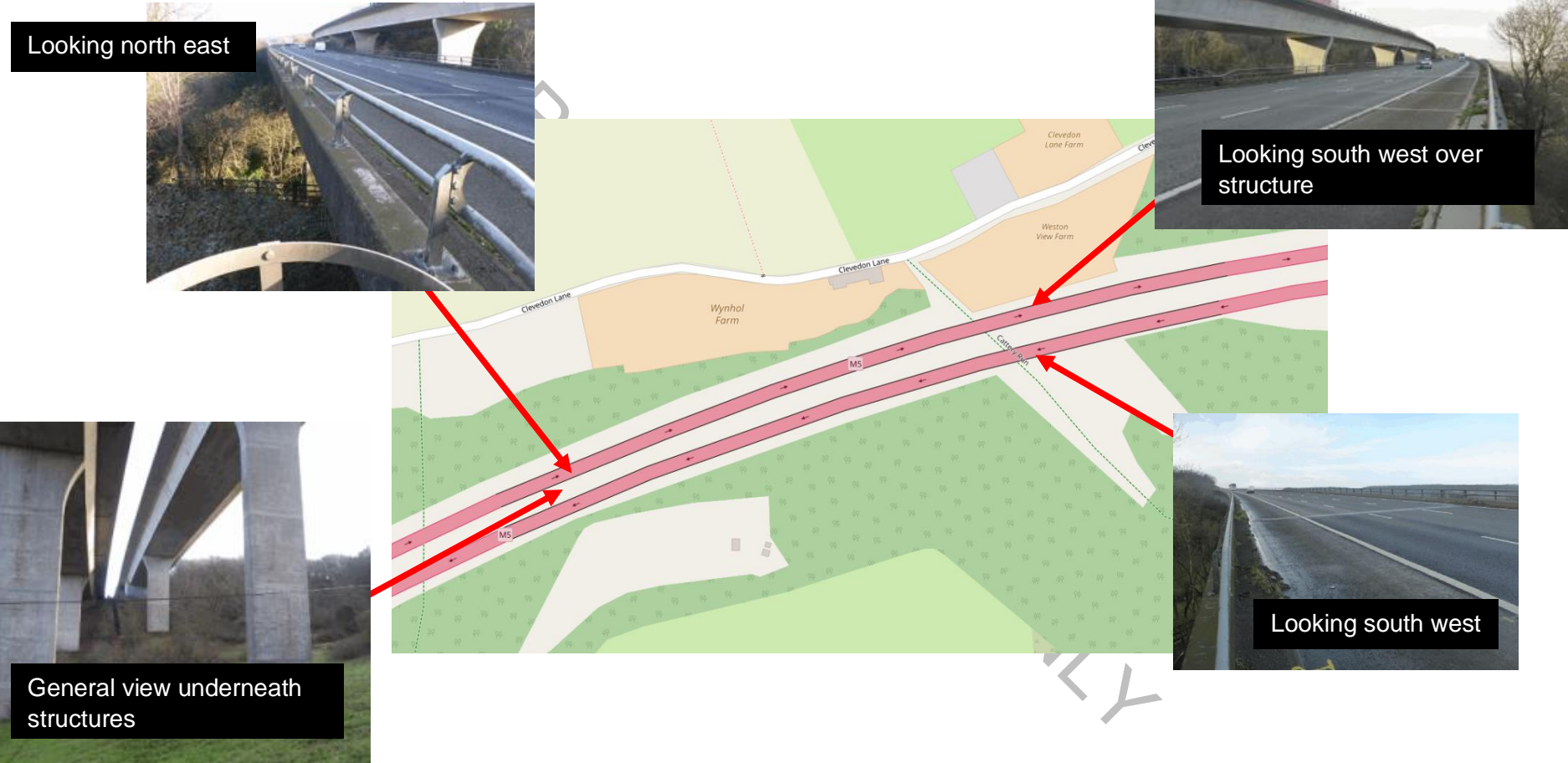
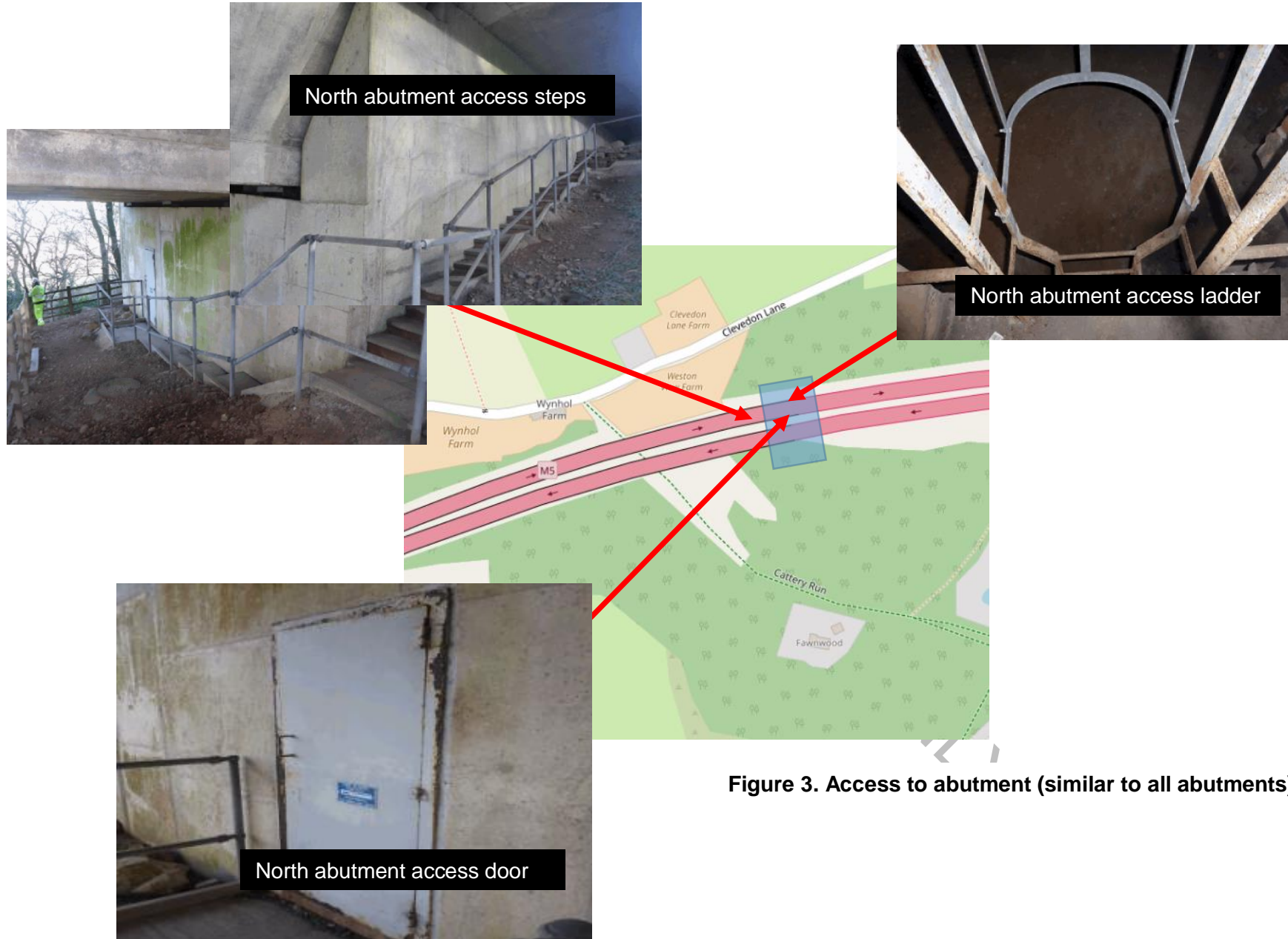


Figure 1. General photographs

Access via 3rd Party Land











1.2 Drawings & additional information

The following drawings provide an overview of the structure. IAMIS records are available in the Site Information folder.

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