

West Winch Housing Access Road

Junction Swept Path Analysis and Visibility Splays

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1 Introduction

1.1 Overview

1.1.1 This set of drawings presents the swept path and visibility analysis for the proposed Hardwick Interchange, A47, New Housing Access Road and Rectory Lane as part of West Winch Housing Access Road (WWHAR) scheme in relation to the surrounding area. Each of these drawings shows the proposals on multiple sheets over Ordnance Survey mapping which shows the proposals in relation to the villages of West Winch, North Runcton and the existing road network. These drawings show the highway proposals only. The drawings included in this pack are as follows;

1.2 Swept Path

1.2.1 Figure 1 to Figure 2 show the vehicle swept path for the Hardwick Interchange. Figure 3 shows the vehicle swept path for the A47 Roundabout. Figure 4 to Figure 7 show the vehicle swept path for the Housing Access Road. The drawings show different manoeuvres of the vehicle within the junctions. An Articulated vehicle of 16.5m length and 2.55m width were used for vehicle tracking.

1.3 Visibility Analysis

1.3.1 Figure 8 to Figure 12 show the visibility analysis performed along the proposed A47 Trunk Road and Hardwick Interchange. Figure 13 to Figure 21 show visibility analysis performed along the proposed Housing Access Road. The drawings show various visibility checks carried out based on design standards in line with the proposed design. Visibility analysis such as Forward visibility to the junction approaches (SSD), Roundabout visibility checks and the Junction visibilities are shown on the drawings.

2 Drawings

The drawings described above are provided on the following pages.



Figure 1 - Swept Path for Hardwick Interchange (Sheet 1 of 2)





Figure 2 - Swept Path for Hardwick Interchange (Sheet 2 of 2)

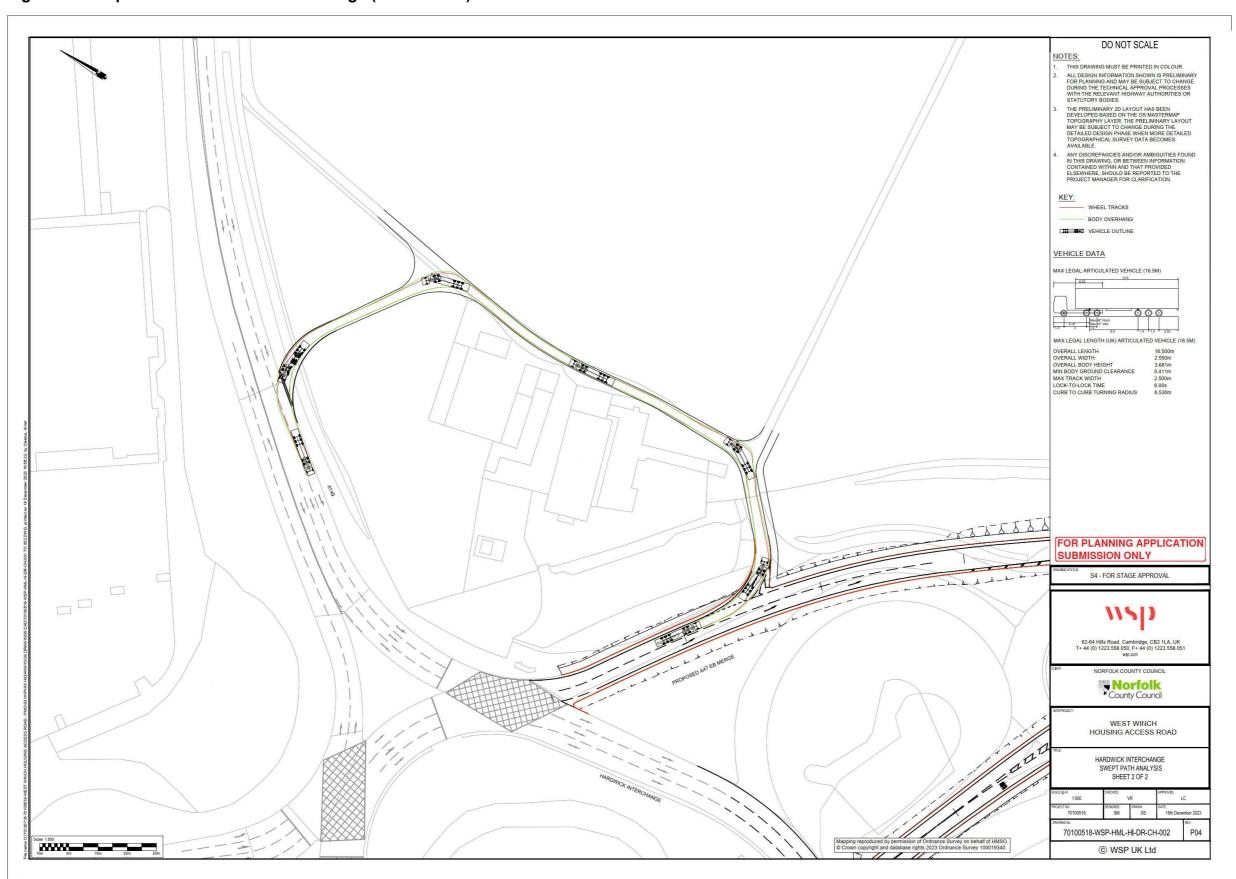




Figure 3 - Swept Path for A47 Roundabout (Sheet 1 of 1)

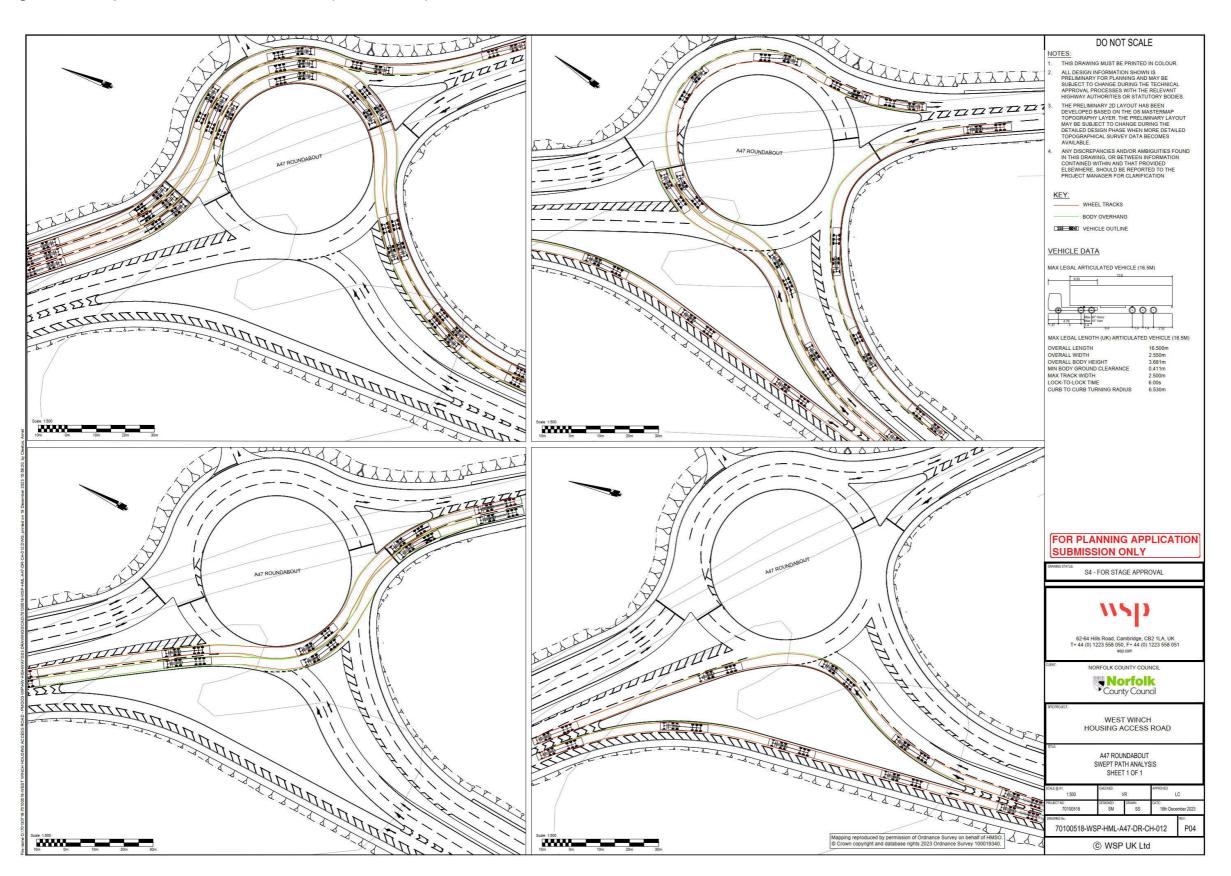




Figure 4- Swept Path for HAR (Sheet 1 of 4)

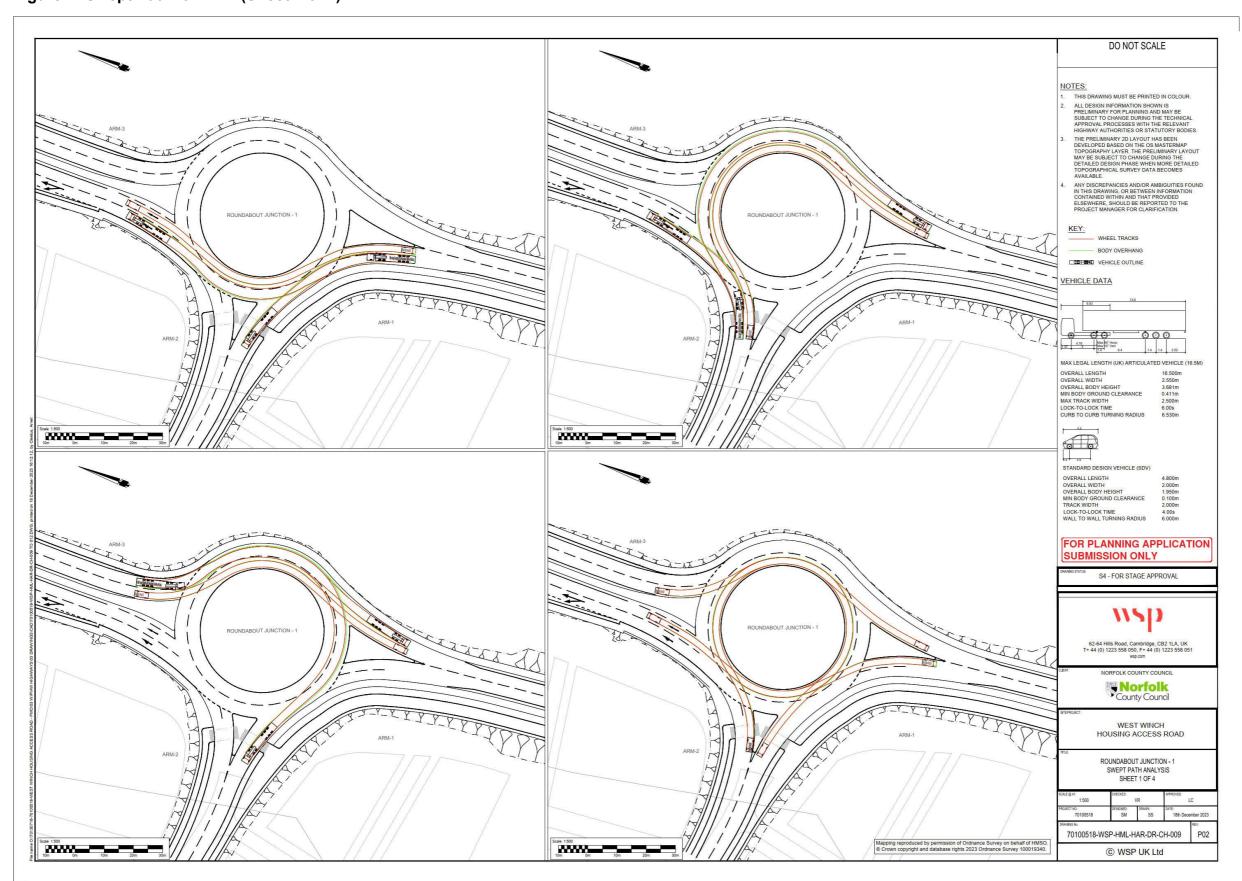




Figure 5- Swept Path for HAR (Sheet 2 of 4)

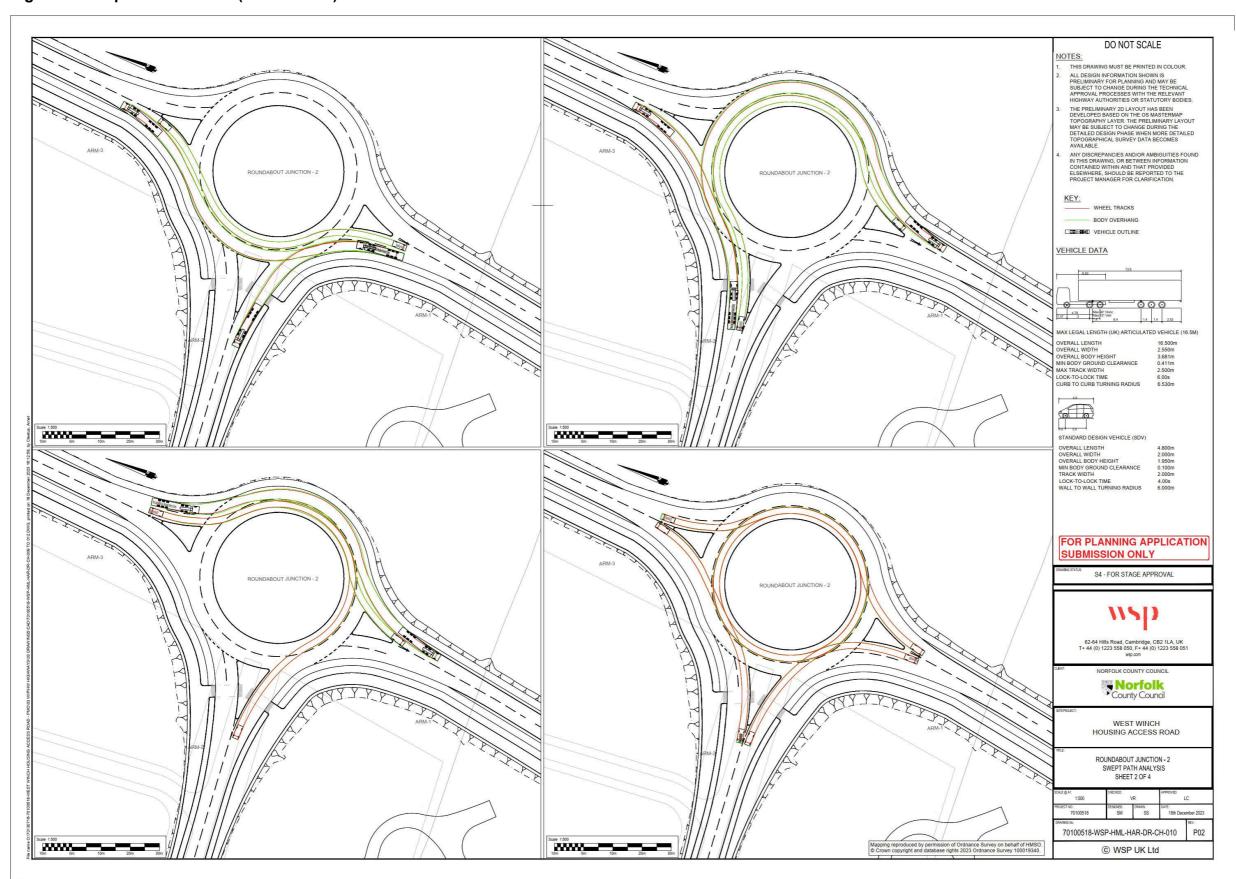




Figure 6- Swept Path for HAR (Sheet 3 of 4)

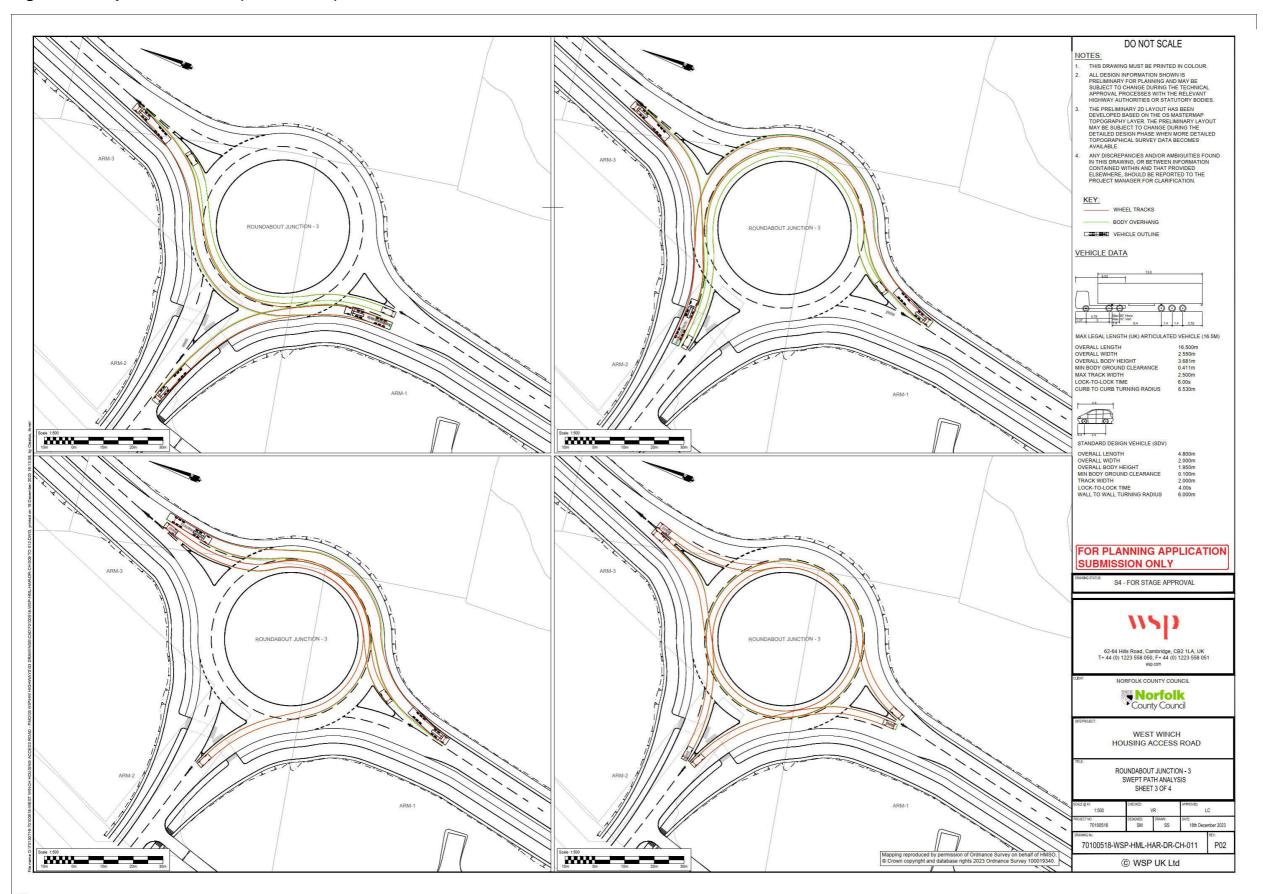




Figure 7- Swept Path for HAR (Sheet 4 of 4)

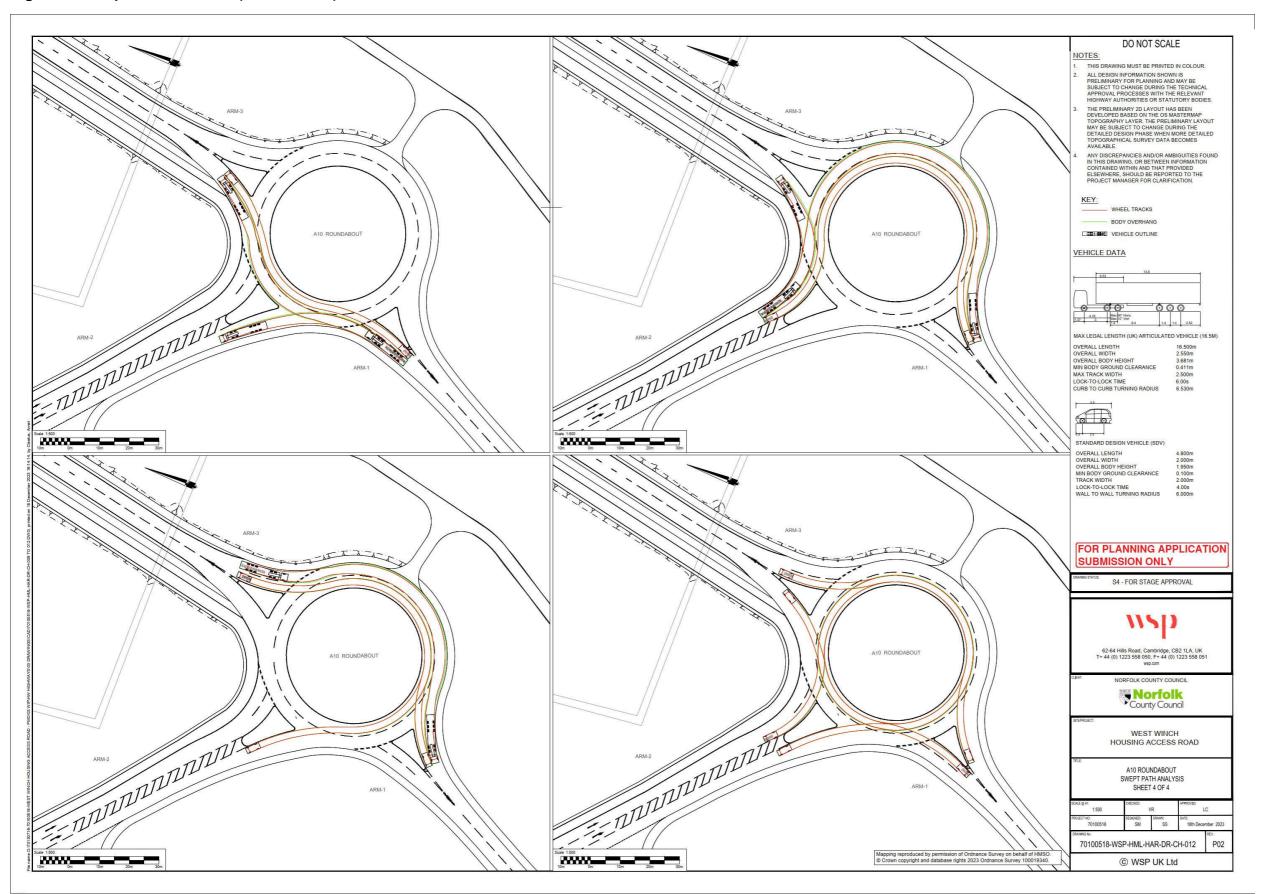




Figure 8- Visibility Analysis for A47 (Sheet 1 of 5)

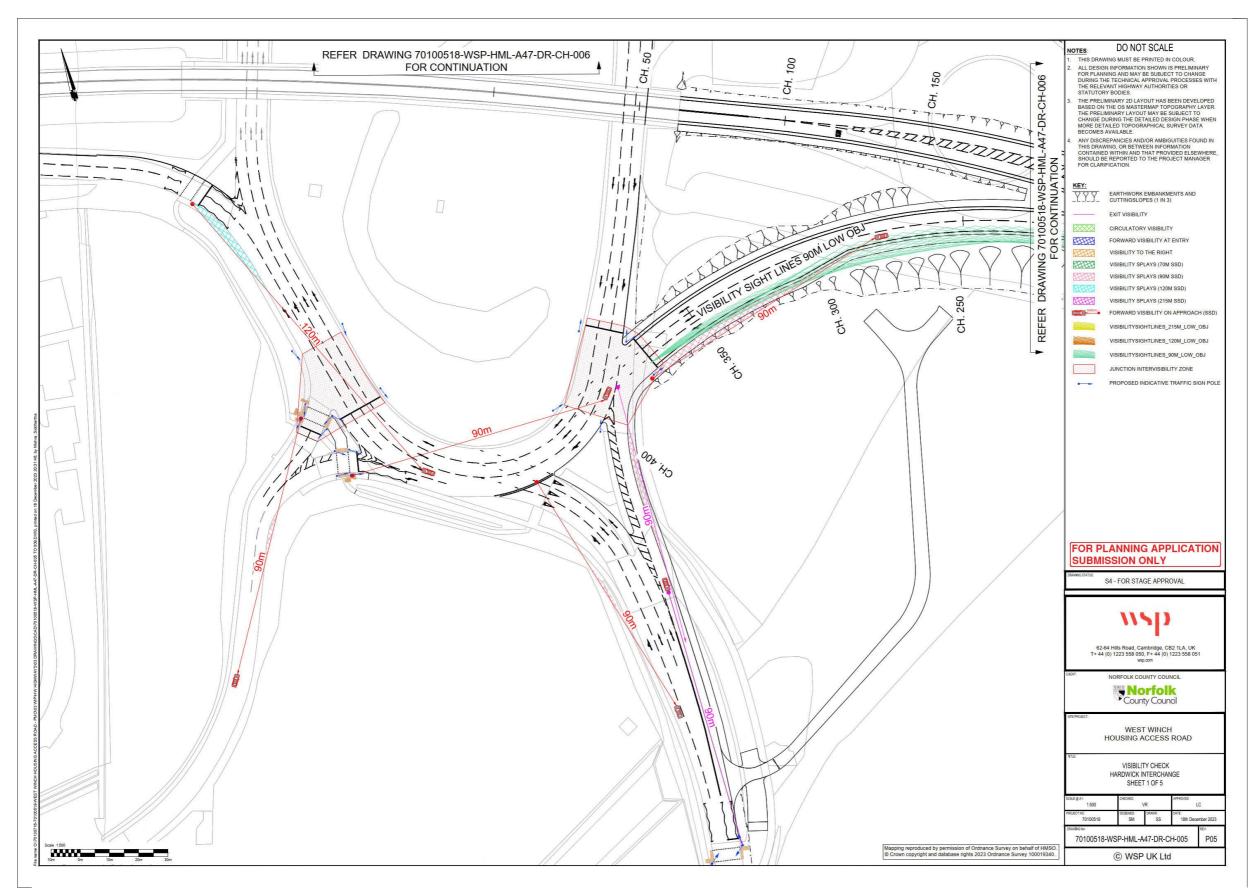




Figure 9 - Visibility Analysis for A47 (Sheet 2 of 5)

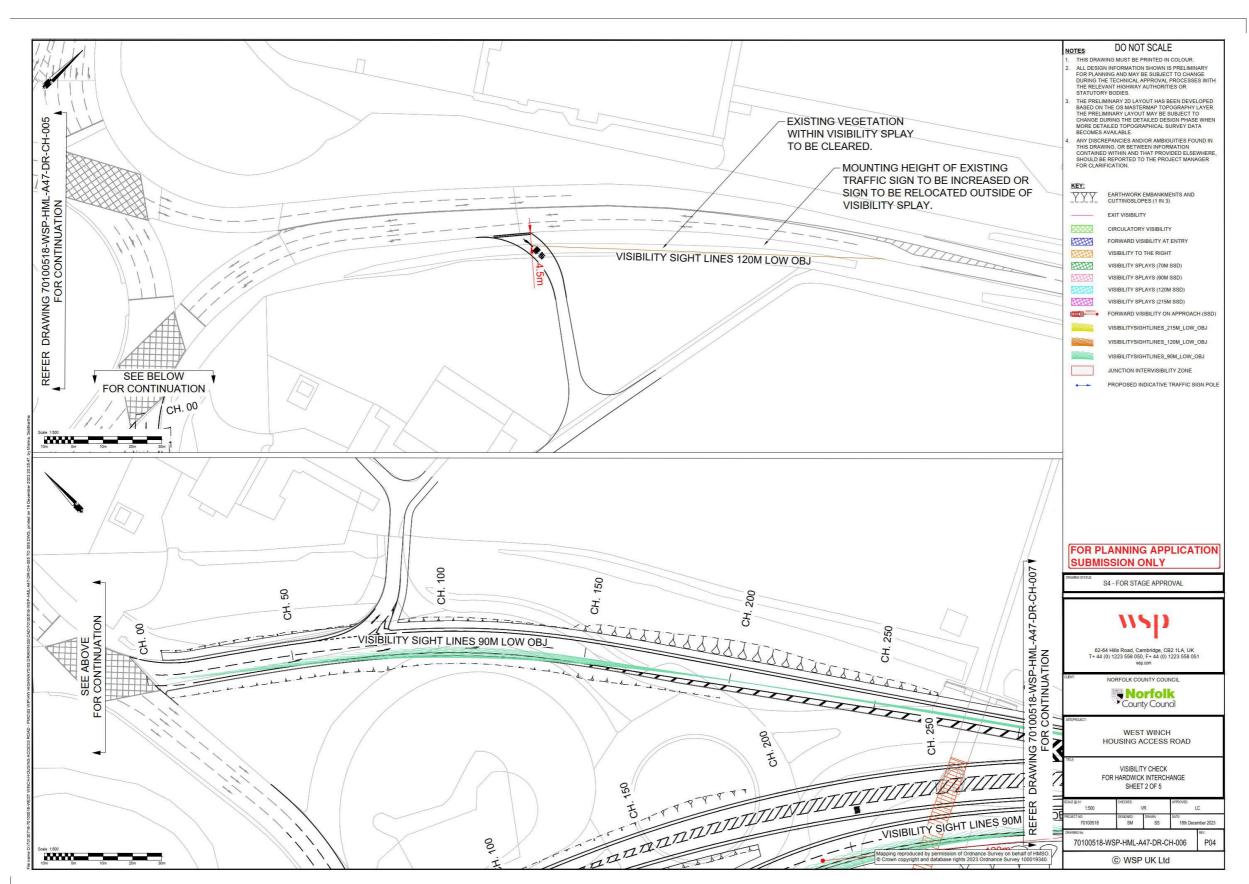




Figure 10 - Visibility Analysis for A47 (Sheet 3 of 5)

