

Prepared on behalf of

J and E Dickinson

**Tyers Hall Road / Tyers Hill Road
Doncaster Road (A635), Ardsley, Barnsley**

**Designer's Response to
Stage 1 Road Safety Audit**

Acknowledgements:

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Appendices

None

1 Introduction

- 1.1 Sanderson Associates (Consulting Engineers) Ltd have been appointed by J and E Dickinson to carry out a Stage 1 Road Safety Audit of the improvements to an existing access on to Doncaster Road at Ardsley to serve existing commercial and residential properties.
- 1.2 The Audit included the proposed improvements to an existing access point on Doncaster Road (A635) namely that of Tyers Hill Road (eastern access). The Audit took place on site on Wednesday 29th August 2018.
- 1.3 The highway works include the introduction of a right turn lane at the access point together with the provision of a 3m wide deceleration lane.
- 1.4 This report includes the designers' responses to the Stage 1 Road Safety Audit. Responses are shown in *italics* following each recommendation made by the Audit Team.

2 Designers Response to items raised for the Stage 1 Road Safety Audit Tyers Hill Road (East Access)

A1: General

A1.4.2	Problem	Drainage
	Location	Improved access (Tyers Hill Road)

Summary

No detailed drainage proposals have been provided for the Stage 1 Audit. However, there is an existing gully on Doncaster Road just to the east of the existing access which will need relocating adjacent to the kerb line as this would be in the wheel track of vehicles turning left on to Doncaster Road. Surface water from the access will need to be intercepted before it discharges on to Doncaster Road. It is important that appropriate drainage of the carriageway surface is provided as this could result in skidding and loss of control incidents whilst turning or braking when the surface is wet and lead to collisions between vehicles at the junction.

Recommendation

Introduce new gullies / drainage to intercept surface water on the access and Doncaster Road.

Designers Response

The designers accept the recommendation of the Audit Team and will amend the drawing accordingly.

A1.6.2	Problem	Public Utilities / Service Apparatus
	Location	northern side of Doncaster Road at Access

Summary

No detailed information about existing services have been provided for the Stage 1 Audit. There is an existing electricity pole with stay on the west side of the existing access and overhead cables running diagonally across the new junction. Because of the proposed widening for the deceleration lane and the resultant set back of the footway the existing stay / pole may be in the proposed footway / carriageway. If situated in the footway this could create a trip hazard for pedestrians using the proposed footway or an obstruction in the carriageway.

Recommendation

Adjust the position of the stay so that it does not lie in the footway or the pole in the carriageway.

Designers Response

The designers accept the recommendation of the Audit Team, and will check / advise the Project Sponsor if the pole and stay needs relocating and modify the drawing accordingly.

A4: Non-Motorised User Provision

A4.2.2 Problem Pedestrians

Location Improved access (Tyers Hill Road, eastern access)

Summary

The Road Safety Audit Brief indicates that dropped kerbs will be provided at the junction. Drawing (9246-002 Rev C) does not show the proposed location for the dropped crossings. These should be positioned so that there is inter-visibility between pedestrians and left turning vehicles and the crossing length is not excessive as this could lead to pedestrians straying from the direct route between the crossing points creating potential conflicts with vehicles.

Recommendation

Review the future pedestrian desire lines and provide dropped kerbs with tactile paving in appropriate locations with inter-visibility.

Designers Response

The designers accept the recommendation of the Audit team and will amend the drawing accordingly.

None
