

A635 BARNESLEY ROAD GOLDTHORPE

PROPOSED ROUNDABOUT

DESIGN & ACCESS STATEMENT

Introduction

In January 2019 Barnsley Metropolitan Borough Council adopted its Local Plan that sets out how the Council will manage physical development of the borough on behalf of residents and businesses. This includes providing sufficient land in the right places to attract more businesses into the borough, allow existing businesses to grow, which will allow the development of new and additional employment for the borough and city region to be achieved.

One such area of land designated ES10 (181 acre site) is adjacent the A635 Barnsley Road, Goldthorpe.

Highways improvements have recently been constructed towards the eastern end of the M1 J36 Economic Growth Corridor (Goldthorpe) at Cathill, Broomhill and Wath Road Roundabouts to ensure that the highway network has sufficient capacity to facilitate any potential increase in traffic movement should the designated site proceed.

This design and access statement is submitted in support of the application to construct a new roundabout on the A635 Barnsley Road, Goldthorpe to provide a safe access whilst also facilitating any anticipated increased traffic growth over time onto the highway network from the designated site (see section “Design Options”). This application is for the proposed roundabout only. *Any future planning applications into the designated site ES10 are to be considered on their own merits at the time of submission.*

Context and Site Use

The proposed roundabout is to be sited on the A635 Barnsley Road, Goldthorpe between Cathill Roundabout and Holly Grove Roundabout as shown in Drawing Figure 1 below. The A635 Barnsley Road is part of the primary route linking Barnsley to Doncaster.

The site is currently surrounded by agricultural fields to the north and south. Carr Dike runs to the east of the proposed roundabout. To the west is a small lay by and a small number of detached properties.

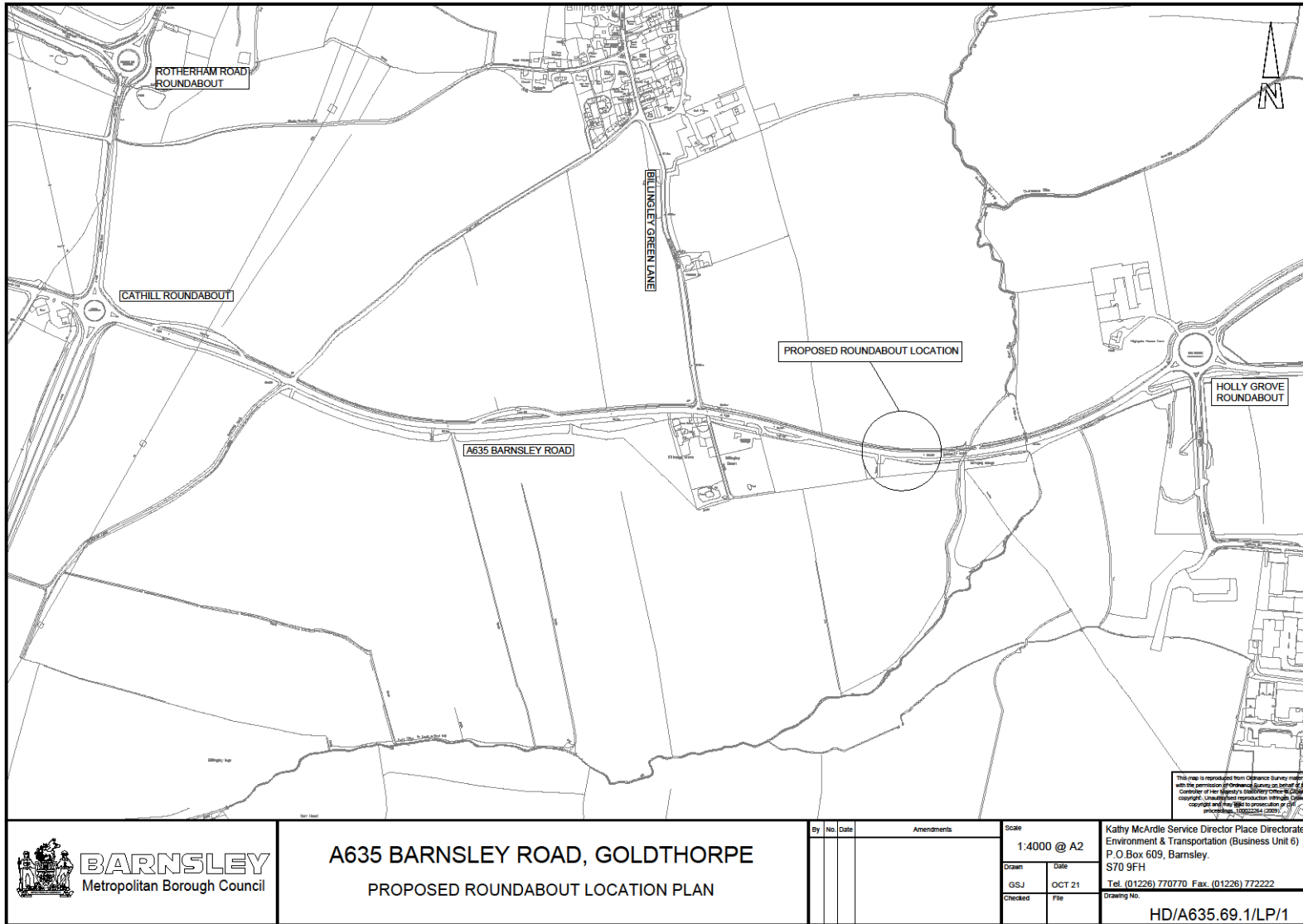


Fig.1

Design Principles:

The proposed roundabout will be designed in accordance with the relevant standards contained within the Design Manual for Roads and Bridges (DMRB).

The roundabout has been designed to dual entry, single exit lanes to accommodate both existing and proposed traffic flows. Although disruption to traffic will occur during the roundabouts construction, the stand alone roundabout, once constructed, will generate no additional traffic flows to the highway network.

As part of the design, the roundabout construction will include a link to the existing northern 3m wide multi user footway.

The proposed roundabout will have new street lighting. Detailed design is currently be undertaken to ensure this is to current highways standards.

The roundabout highway drainage will outfall to Carr Dyke. Detailed design is currently being undertaken to ensure that the design will meet current highways and Environment Agency guidance and will be subject to the necessary approvals prior to construction.

Design Options:

An analysis of the proposed roundabout has been undertaken by AECOM and is included as part of this submission, with an assessment being taken to show predicted traffic flows up to 2033. This report shows that although the traffic growth shall increase over time, no queues and delays will impact on the operational efficiency of the roundabout when taking into account any proposed growth traffic movements as a result of the ES10 development (*which shall be subject to a separate planning application and considered on its own merits*)

Consideration has been given when siting the proposed roundabout to meet both operational requirements and create the least amount of disruption during construction for existing motorists.

The roundabout is to be a 3 arm roundabout with two lane entry and one lane exit on each arm.

Access

The proposed roundabout will be on the A635 Barnsley Road, Goldthorpe so all access, both vehicular and pedestrian, will be via this road.

Conclusion

It is concluded that the proposed roundabout will meet all future traffic growth in the area, provide a safe access to any future development and enhance active travel by linking into the multi user route on the A635 Barnsley Road, Goldthorpe.