#### 2.3 PROBLEM

Location: Southeast and southwest quadrant of circulatory carriageway.

Summary: Risk of sideswipe accidents.

The layout indicates a very narrow centre lane on the southeast quadrant and a risk of the nearside lane not being wide enough for the radius required to be traversed on the southwest quadrant from the A12 southern arm.

### RECOMMENDATION

Carry out swept path analysis to ensure that all vehicles can travel within the intended lanes and make adjustments as required.

### 3 AUDIT STATEMENT

We certify that this audit has been carried out in accordance with HD 19/15.

Signed:

S Hancock Audit Team Leader

Safety Engineering Services Ltd

Date 13 September 2017

Signed:

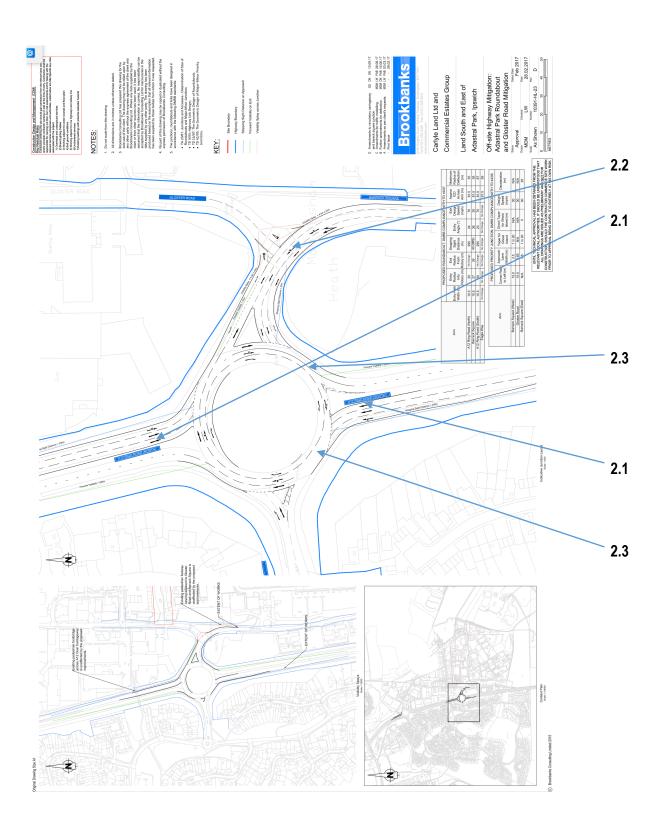
D Ramsden Audit Team Member

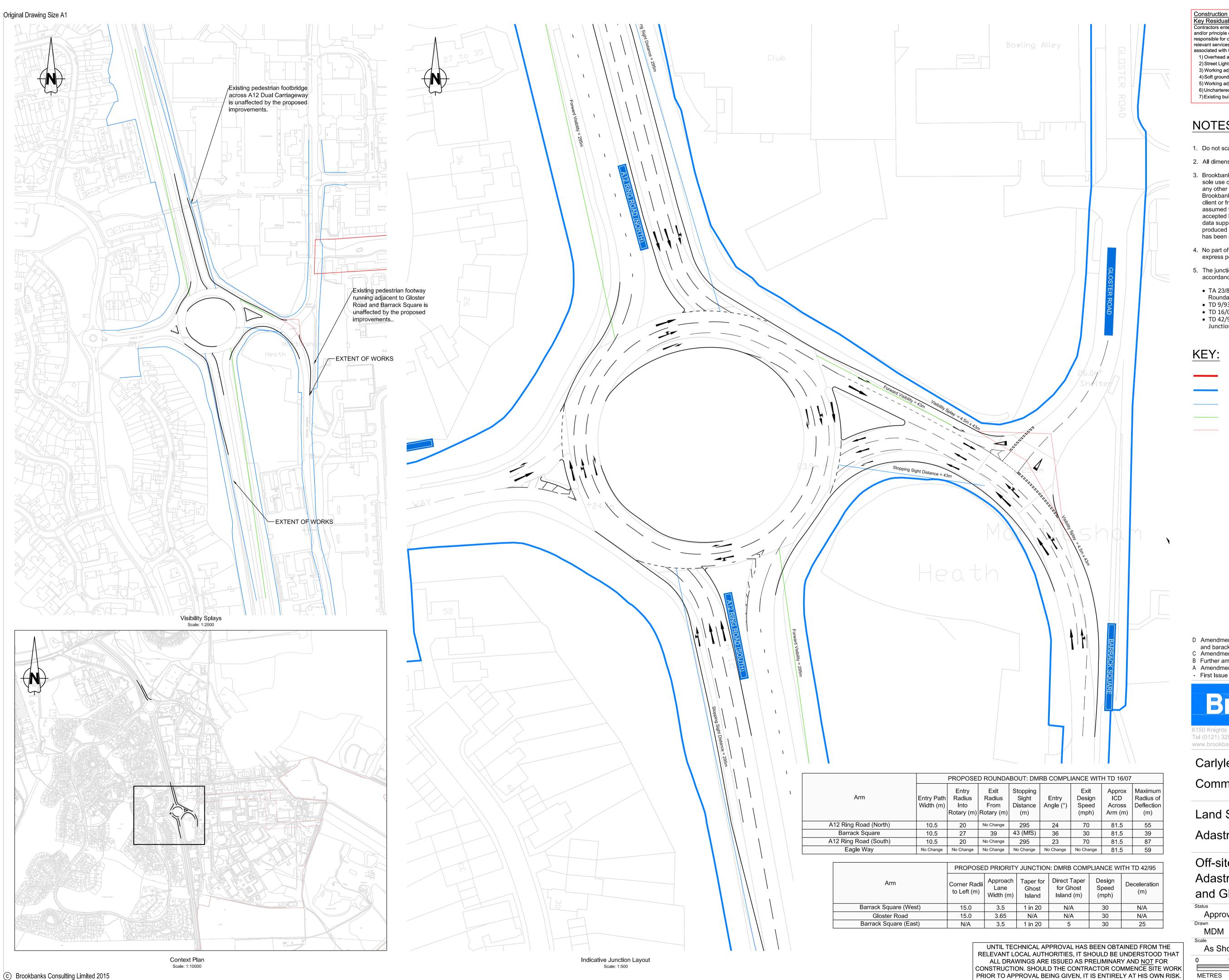
Safety Engineering Services Ltd

Date: 13 September 2017

### DRAWINGS AND DOCUMENTS PROVIDED FOR AUDIT

10391-H-23 Rev D	Offsite Highway Mitigation - Adastral Park Roundabout and Gloster
	Road Mitigation





Construction Design and Management (CDM)
Key Residual Risks

Contractors entering the site should gain permission from the relevant land owners and/or principle contractor working on site at the time of entry. Contractors shall be responsible for carrying out their own risk assessments and for liaising with the relevant services companies and authorities. Listed below are Site Specific key risks associated with the project.

1) Overhead and underground services

2) Street Lighting Cables 3) Working adjacent to water courses and flood plain 4) Soft ground conditions

5) Working adjacent to live highways and railway line 6) Unchartered services 7) Existing buildings with potential asbestos hazards

### NOTES:

- 1. Do not scale from this drawing
- 2. All dimensions are in metres unless otherwise stated.
- 3. Brookbanks Consulting Ltd has prepared this drawing for the sole use of the client. The drawing may not be relied upon by any other party without the express agreement of the client and Brookbanks Consulting Ltd. Where any data supplied by the client or from other sources has been used, it has been assumed that the information is correct. No responsibility can be accepted by Brookbanks Consulting Ltd for inaccuracies in the data supplied by any other party. The drawing has been produced based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.
- 4. No part of this drawing may be copied or duplicated without the express permission of Brookbanks Consulting.
- The junctions, roundabouts and links have been designed in accordance with the following DMRB standards:
- TA 23/81: Junctions and Accesses Determination of Size of Roundabouts and Major-Minor Junctions
- TD 9/93: Highway Link Design;
- TD 16/07: The Geometric Design of Roundabouts.
- TD 42/95: The Geometric Design of Major-Minor Priority

## KEY:

Site Boundary Highway Boundary

Stopping Sight Distance on Approach

Forward Visibility on Exit Visibility Splay across Junction

D Amendments to circulatory carriageway GG DN DN 13.09.17

and barack square junction
C Amendments for traffic modelling. B Further amendments for deflection. A Amendments as per client's requests.

# Brookbanks

MDM DN PAB 15.06.17

MDM LW PAB 03.03.17

Tel (0121) 329 4330 Fax (0121) 329 4331 www.brookbanks.com

## Carlyle Land Ltd and

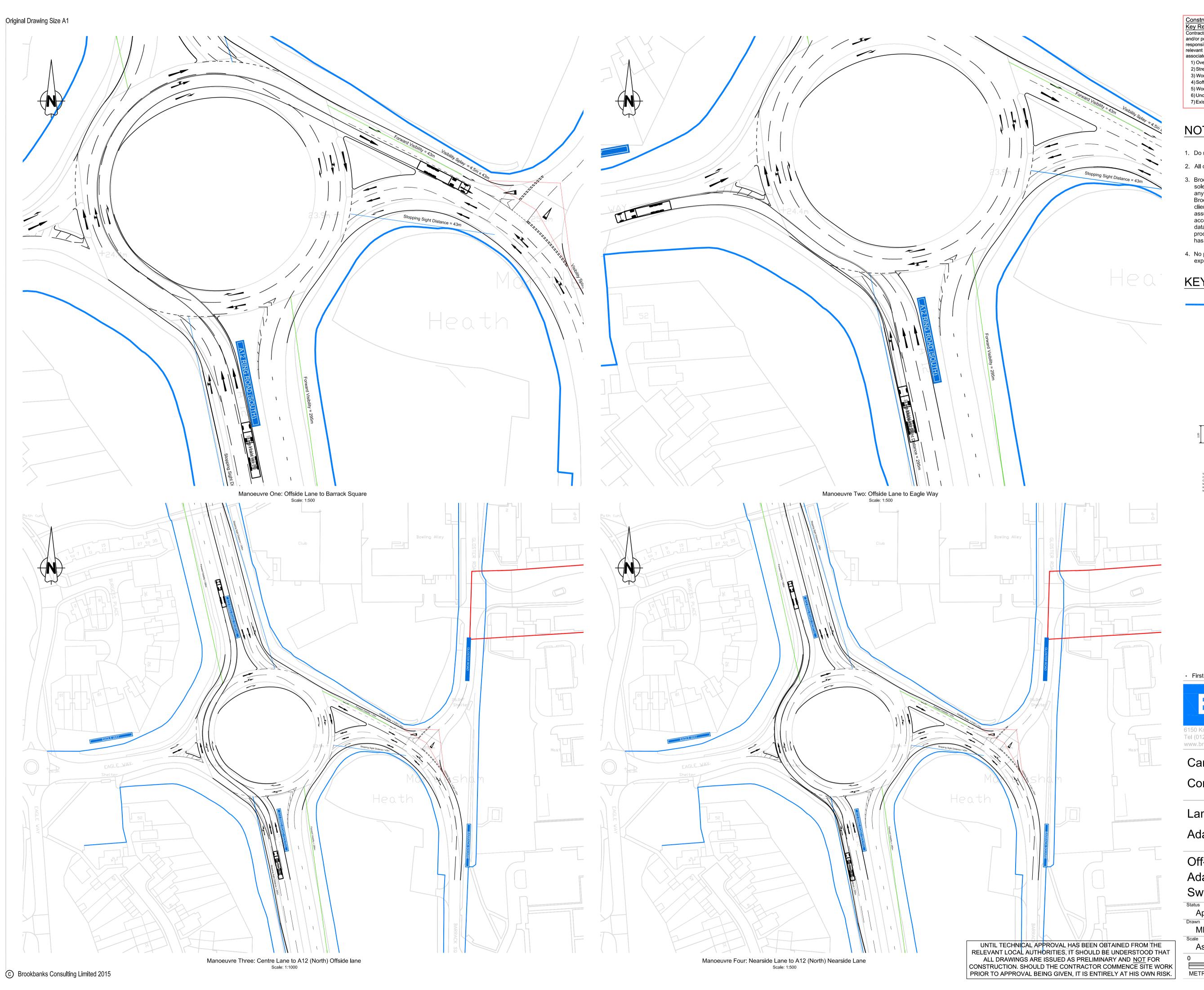
Commercial Estates Group

Land South and East of

Adastral Park, Ipswich

## Off-site Highway Mitigation: Adastral Park Roundabout and Gloster Road Mitigation

Status Approval				Status Date Fek	。 2017
Drawn		Checked		Date	
ME	MC	LW		28.02.201	
Scale		Number		Rev	
As	Shown	103	391-HL-23		)
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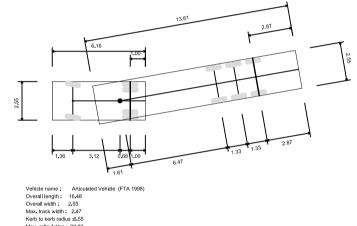
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Highway Boundary



Articulated Lorry Dimensions and Details

- First Issue Brookbanks

6150 Knights Court Solihull Parkway Birmingham B37 7WY Tel (0121) 329 4330 Fax (0121) 329 4331

Carlyle Land Ltd and Commercial Estates Group

Land South and East of Adastral Park, Ipswich

Off-site Highway Mitigation: Adastral Roundabout Mitigation Swept Paths from A12 (South)

September 15.0	er 2017 9.2017
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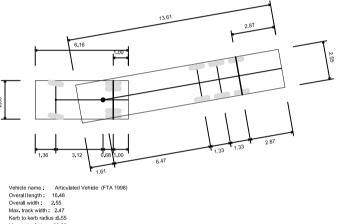
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Highway Boundary



Articulated Lorry Dimensions and Details

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Carlyle Land Ltd and Commercial Estates Group

Land South and East of Adastral Park, Ipswich

Off-site Highway Mitigation: Adastral Roundabout Mitigation Swept Paths from Gloster Road

Approval			5	Status Date September 2017		
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