

Darwin Group

**Connell Co-op College,
Alan Turing Way, Manchester
Stage 1/2 Road Safety Audit**

February 2021

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Alan Turing Way, Manchester
Stage 1/2 Road Safety Audit**

February 2021

Client Commission

Client:	Darwin Group	Order No:	
Commissioned By:	Emma Hardy	Date Commissioned:	February 2021

LTP Quality Control

Job No:	LTP/21/4396	File Ref:	4396 Connell Co-op College Manchester RSA1-2 FINAL		
Issue	Revision	Description	Author	Checked	Date
1		Final Report	EW	TK	17/02/2021
Authorised for Issue:					TK

LTP PROJECT TEAM

As part of our commitment to quality the following team of transport professionals was assembled specifically for the delivery of this project. Relevant qualifications are shown and CV's are available upon request to demonstrate our experience and credentials.

Team Member	LTP Designation	Qualifications
Tony Kirby	Director (Project Manager)	IEng MSc FIHE MCIHT RegRSA
Eric Wragg	Senior Engineer	IEng FIHE MCIHT CoC

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CONNELL CO-OP COLLEGE, ALAN TURING WAY, MANCHESTER STAGE 1/2 ROAD SAFETY AUDIT

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I. INTRODUCTION

- 1.1 Darwin Group as the Scheme Promoter has commissioned Local Transport Projects Ltd (LTP) to carry out a Stage 1/2 Road Safety Audit on proposed improvements to Connell Co-op College in Alan Turing Way, Manchester. As the Highway Authority, Manchester City Council is the Overseeing Organisation.
- 1.2 The proposals consist of the following:
- A proposed new building extension and playground;
 - Two new car parks;
 - Car parking spaces adjacent to the access road;
 - A vehicle turning area at the end of the access road;
 - A retaining wall adjacent to the existing access road;
 - Various pedestrian facilities, including new footway, informal pedestrian crossing point and guard railing; and
 - Landscaping.
- 1.3 The Audit was carried out between the period Friday 12th February to Wednesday 17th February 2021 and was based on an examination of the drawings supplied, as summarised within Table 1.

Table 1: Drawings Considered by the Road Safety Audit

Drawing N ^o	Revision	Drawing Title	Issued By
180389 DGL 01 XX DR A 1400	P8	Proposed Landscaping Plan	Darwin Group
180389 DGL 01 XX DR A 1403	0	Parking Provision Plan	Darwin Group

- 1.4 The college is adjacent to the A6010, Alan Turing Way, which is a dual carriageway which is subject to a 30 mph speed limit by virtue of a system of street lighting. It runs from the A662, North Road, in the north to the A635, Ashton Old Road in the south.
- 1.5 An examination of personal injury collisions (PICs) using CRASHMAP for the five years, 2015 to 2019, has revealed there were five PICs at the junction of the A6010 with Wilson Street / Grey Mare Lane to the south of the college. Two of these resulted in two serious casualties and three resulted in three slight casualties.
- 1.6 No details of site clearance, traffic signs, road markings, street lighting, or drainage were provided to the audit team so no comment can be made on them.
- 1.7 Because of the COVID-19 pandemic a site visit was not carried out by the audit team in line with guidance from both the Society of Road Safety Auditors (SoRSA) and Highways England, both organisations temporarily removing the requirement for site visits for Stage 1 and Stage 2 Road Safety Audits, contingent upon the approval of the Project Sponsor.

- 1.8 The Audit Team comprised the following people:
 - Tony Kirby, IEng MSc FIHE MCIHT RegRSA (Audit Team Leader);
 - Eric Wragg, IEng FIHE MCIHT (Audit Team Member).
- 1.9 The Audit Team was not made aware of any specific departures or relaxations from standard.
- 1.10 It is understood that a previous Road Safety Audit of the proposals has not been undertaken.
- 1.11 The Audit was carried out with reference to 'GG 119 Road Safety Audit' (Highways England (Revision 2) 2020).
- 1.12 The Audit Team has examined and reported only on the road safety implications of the scheme using the information provided and has not examined or verified the compliance of the design to any other criteria.
- 1.13 The problems identified in this report are considered by the audit team to require action in order to improve safety and reduce the risk of collisions occurring.

2.1 Problem

Summary: Issue with gates within the site.

Proposed Cycleway Location

Existing Carpark

Proposed 5 New Carpark Spaces

Retaining Wall Introduced to Edge of Pathway

It is recommended that details of the gates are reviewed to ensure that there is a reduced risk of possible contact between the gates and moving vehicles.

2.2 Problem

Location: College site.

Summary: Lack of swept path information.

There are no details of swept path information supplied to the audit team. Large servicing vehicles could have difficulty accessing the site with the possibility of encroachment onto footways with the possibility of contact with pedestrians and injury to them.

Recommendation

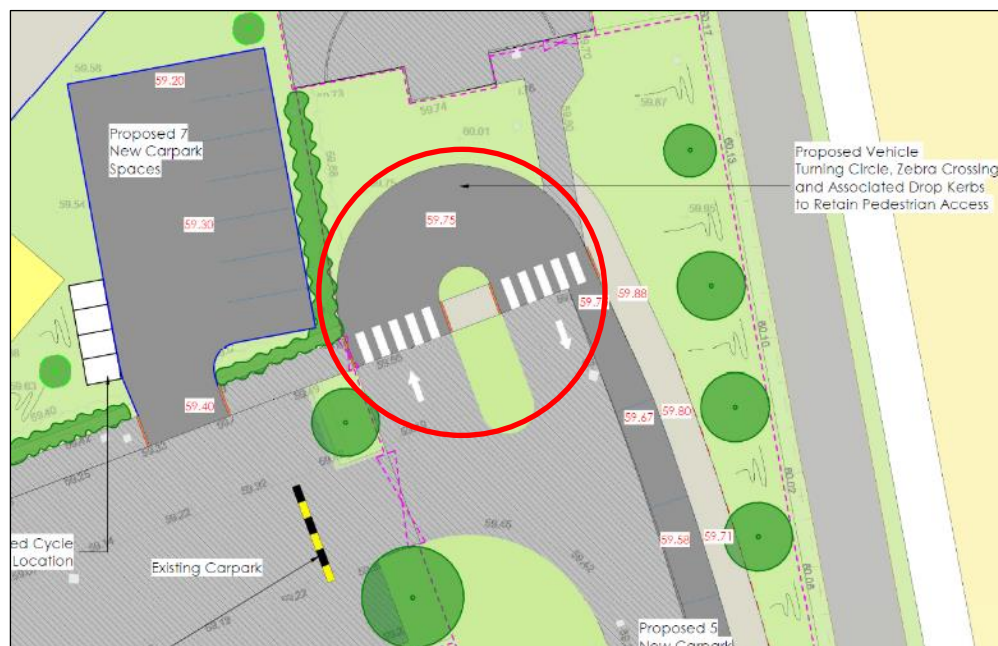
It is recommended that the swept paths of the largest vehicles expected to use the site are checked.

2.3 Problem

Location: Access road turning circle.

Summary: Lack of drop off / pickup point information.

The access road terminates at a semi-circular turning circle to allow vehicles to turn around after they have dropped off or picked up passengers. However, it is unclear as to where exactly drivers are intended to stop to pick up or drop off passengers. It is possible drivers will elect to stop within the turning circle thereby blocking this facility and preventing other vehicles from progressing. This is likely to result in unsafe vehicle manoeuvres and possible vehicle / vehicle or vehicle / pedestrian contact with the possibility of injury to vehicle occupants and pedestrians.



Recommendation

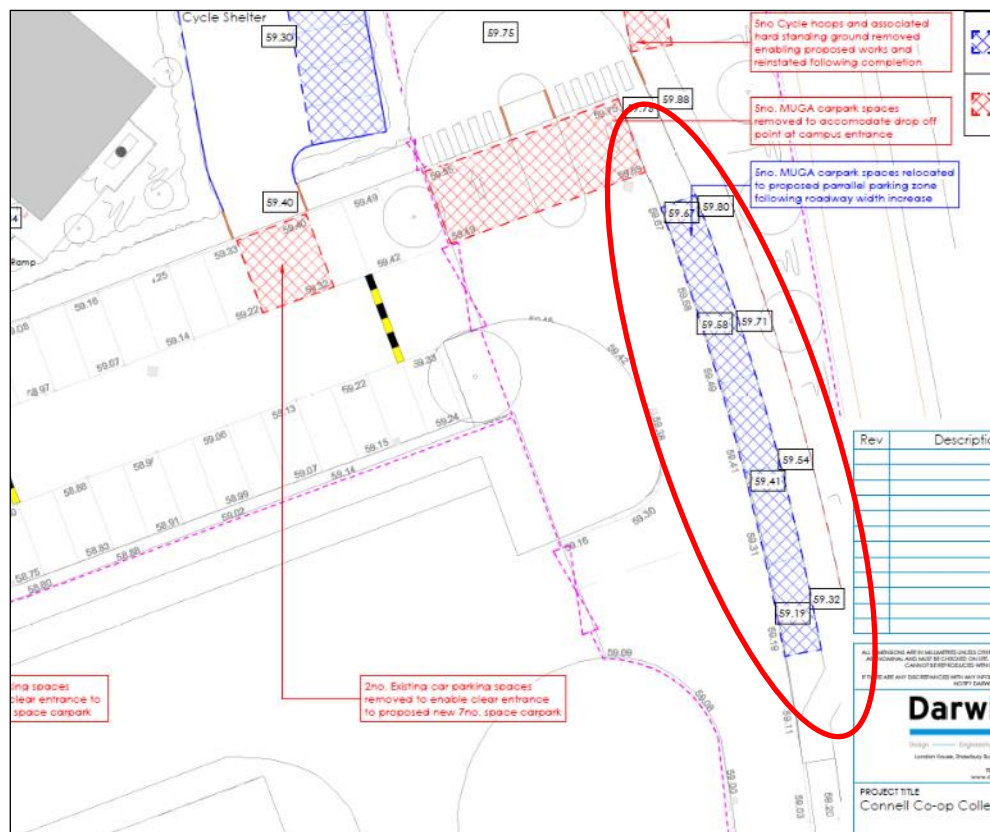
It is recommended that no stopping restrictions are implemented within the turning circle based on the vehicle swept path requirements.

2.4 Problem

Location: The access road.

Summary: Unclear function of parking bays adjacent to access road.

There are five parking spaces proposed on the east side of the access to the college; it is unclear as to their function and whether the spaces are available at all time, or only for a specific time/purpose. Reserving them for pick up / drop off only would help to reduce the likelihood of drivers double parking and blocking the access, increasing potential for conflict and risk of injury to vehicle occupants and pedestrians.



Recommendation

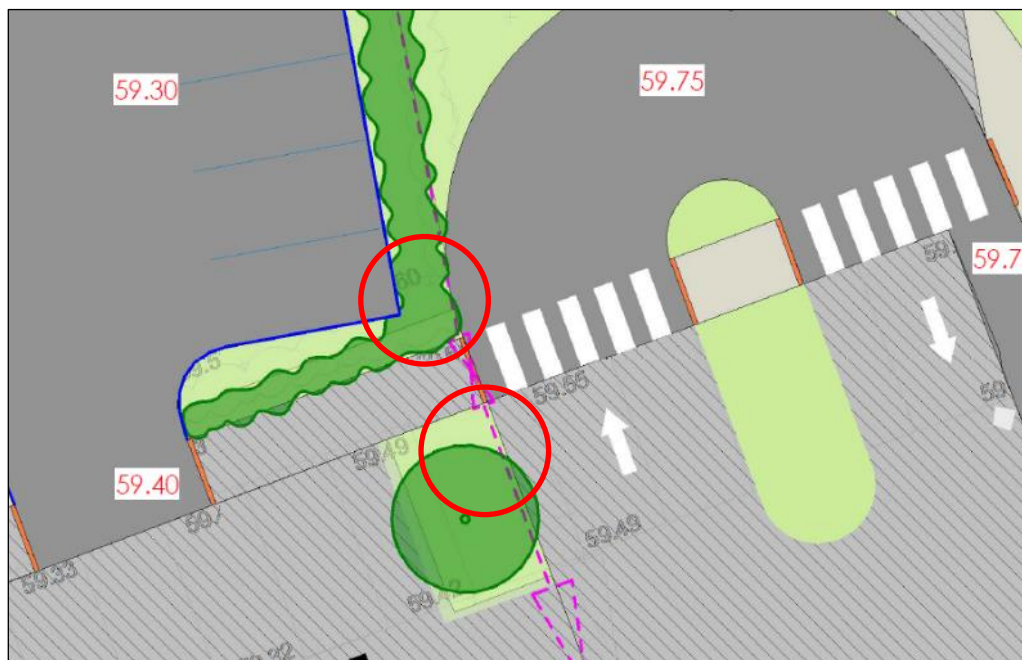
It is recommended that the five parking spaces on the east side of the access road are reserved for drop off / pick up only.

2.5 Problem

Location: Informal crossing point across turning head.

Summary: Lack of intervisibility between pedestrians and drivers.

There is an informal zebra crossing indicated where the footway crosses the entrance to the turning circle. However, the plan indicates a hedge and tree together with a fence close to the point where pedestrians cross the carriageway which may inhibit intervisibility between pedestrians and drivers of moving vehicles. There is a possibility that pedestrians will cross here and not be seen by drivers entering the turning circle, resulting in contact between them and injury to pedestrians.



Recommendation

It is recommended that adequate visibility between pedestrians and vehicle drivers is provided at the point where pedestrians cross the carriageway at the entrance to the turning circle.

2.6 Problem

Location: College site.

Summary: Lack of operational car park management plan.

It is unclear how drivers accessing the site generally are expected to know where to stop to pick up and drop of passengers. This could result in vehicles parking and manoeuvring in unsafe ways with the risk of contact with pedestrians and injuries to them.

Recommendation

It is recommended that the college develops and maintains a car park management plan to provide a policy and guidance for visitors' parking and on-site drop-off and pick-ups.

3. AUDIT TEAM STATEMENT

- 3.1 The Audit was carried out with reference to 'GG 119 Road Safety Audit' (Highways England, 2020). We certify that we have examined the site taking into account the documents provided by the Project Manager (set out in Table 1) and carried out a Road Safety Audit with the sole purpose of identifying any feature of the design which could be removed or modified to improve the safety of the highway environment within the extents of the scheme. The problems that we have identified have been noted in this report together with suggestions for improvement, which we recommend should be studied for implementation.
- 3.2 No-one on the audit team has been involved with the design of the proposals.

Signed	T. Kirby	Tony Kirby IEng MSc FIHE MCIHT RegRSA Director Local Transport Projects Armstrong House, The Flemingate Centre, Beverley, East Riding of Yorkshire. HU17 0NW. Tony.Kirby@ltp.co.uk 01482 679911
	Dated	
	17/02/2021	

AUDIT TEAM MEMBER:

Signed	E. Wragg	Eric Wragg IEng FIHT MCIHT Senior Engineer Local Transport Projects Armstrong House, The Flemingate Centre, Beverley, East Riding of Yorkshire. HU17 0NW. Eric.Wragg@ltp.co.uk 01482 679911
	Dated	
	17/02/2021	