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DANTZIC STREET, DALTON STREET AND DULWICH STREET – SECTION 278 WORKS

Stage 2 Road Safety Audit
Client: FEC

02/12/2025

Quality Management

Issue Record

ISSUE	REVISION	DESCRIPTION	DATE	PREPARED BY	CHECKED
1	-	Final	2 December 2025	<i>M Hedley</i>	<i>M Morley</i>
Document number - RSI-MH-1025-006 Issue 1.0					

Dantzic Street, Dalton Street and Dulwich Street – Section 278 Works

Stage 2 Road Safety Audit

02/12/2025

Overseeing Organisation

Manchester City Council

Client

FEC

Design Organisation

RoC Consulting and WSP

Road Safety Audit Team Organisation

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APPENDIX A – Scheme Documents Issued for Road Safety Audit

APPENDIX B – Location Plan

1 Introduction

- 1.1.1 This report results from a Stage 2 Road Safety Audit carried out on the s278 works for the proposed Dantzic Street, Dalton Street and Dulwich Street residential development, Manchester scheme. This is at the request of Manchester City Council (Overseeing Organisation).
- 1.1.2 The terms of reference of the Road Safety Audit are as described in DMRB GG 119¹. The Road Safety Audit Team has examined and reported only on the road safety implications in the scheme as presented and has not examined or verified the compliance of the designs to any other criteria.
- 1.1.3 The Road Safety Audit Team membership consisted of:
- | | |
|--------------------|--|
| Team Leader | Mark Hedley , IEng, MCIHT, MSoRSA, FIHE, RegRSA(IHE)
Certificate of Competency in Road Safety Audit gained in Nov 2013
Partner, Road Safety Initiatives LLP |
| Team Member | Martin Morley , BSc (Hons), MCIHT, MSoRSA
Certificate of Competency in Road Safety Audit gained in Feb 2013
Partner, Road Safety Initiatives LLP |
- 1.1.4 The Road Safety Audit was undertaken in accordance with the Road Safety Audit Brief provided by Jason New, Design Manager (CR Construction (U.K) Company Limited). The Road Safety Audit comprised an examination of the documents provided and listed in **Appendix A**.
- 1.1.5 No swept path, 20mph speed limit signs, traffic sign schedules, boundary treatment, utilities information were provided for the Road Safety Audit. The Road Safety Audit Team was therefore unable to provide detailed comments on these aspects of the design.
- 1.1.6 The Road Safety Audit Team visited the site together on Tuesday 25 November 2025 between 13:35 and 14:15 hours. It was sunny, and the road surfaces were damp at the time of the site visit. During the site visit, traffic flows were light (as Dantzic Street closed to traffic south of Dulwich Street junction) and one cyclist and a few pedestrians were observed.
- 1.1.7 Matters which the Terms of Reference exclude from this report, but which the Road Safety Audit Team wishes to draw to the attention of the Overseeing Organisation, will be supplied in a separate document in the covering email to this Road Safety Audit Report.
- 1.1.8 All Road Safety problems are referenced to the design drawings and the locations have been indicated on the plans supplied with the Road Safety Audit Brief in **Appendix B**.
- 1.1.9 This Road Safety Audit will review the road safety aspects of the proposed s278 works in Dantzic Street, Dalton Street and Dulwich Street for the new residential development site in Manchester. The scheme includes speed tables, parking and loading bays, pedestrian & cycle facilities, landscaping, a new access junction and other junction improvements.

¹ At time of preparing this report, the RSA Brief was not approved and the report was issued directly to CR Construction (UK)

- 1.1.10 The objectives of the scheme are to provide improvements for the proposed mixed-use development either side of Dantzic Street.
- 1.1.11 The Road Safety Audit Team was not informed of any strategic decisions made and agreed by the Overseeing Organisation.
- 1.1.12 The Road Safety Audit Team was not informed of any Departures from Standards.

2 Items Raised at previous Road Safety Audits

2.1.1 The road safety implications of the s278 works for the proposed Dantzic Street, Dalton Street and Dulwich Street residential development, Manchester scheme were the subject of a Stage 1 Road Safety Audit by Road Safety Initiatives in April 2023.

2.1.2 The items raised at the previous Stage 1 Road Safety Audit are detailed in the table below:

RSA 1 Item	Stage 1 Road Safety Audit Problem and Recommendation (April 2023)	Design Organisation Response (23 April 23)	Stage 2 RSA Comment (November 2025)
3.1.1	Location: Throughout scheme extents. Summary: Injudicious parking may lead to conflicts. If vehicles park injudiciously and outside the designated parking bays it may lead to several potential conflicts, namely – • Obscure junction visibility - This may lead to an incident of 'looked but failed to see' and, potentially, a pull-out collision. • Inadequate visibility of pedestrians - Pedestrians crossing the roads must be able to see and be seen by approaching traffic. If inadequate visibility is achieved, then there is a risk of pedestrian collisions with approaching traffic. • Vehicles crossing into opposing lane or being 'squeezed' - Collisions with cyclists and 'head-on' or 'side-swipe' type collisions may occur. These concerns may be exacerbated if vehicles can not fully enter the parking bays on Dalton Street and development access road, which laybys are proposed without taper entry/egress. RECOMMENDATION It is recommended that 'no waiting' restrictions are provided. Ensure there are an adequate quantity of laybys with suitable layouts to accommodate the expected parking numbers.	Recommendation accepted. 'No-waiting' restrictions shall be provided within the detailed design stage. The number of laybys has been proposed as per the requirements of the planning application.	This has only partially been addressed and therefore repeated as Problem 3.2.1 in the next section.
3.2.1	Location: Dalton Street / development access road junction. Summary: Potential for 'failure to give-way' collisions. The junction layout allows both right-turning and left-turning vehicles to enter the 'one-way' development access road simultaneously. This may result in some uncertainty to the right of way, which may result in vehicle-to-vehicle collisions. RECOMMENDATION It is recommended that the junction layout is amended to ensure that the right of way is self-explaining.	Recommendation accepted. Design amended to provide a give way road markings for the right turning vehicles.	Give-way road markings have been provided. Problem 3.2.1 is resolved.

3 Items raised at this Stage 2 Road Safety Audit

3.1 LOCAL ALIGNMENT

PROBLEM 3.1.1	
Location	Dalton Street.
Summary	Potential for loss of control conflicts.
There is an existing flight of steps on the north side of Dalton Street at its junction with Dantzic Street. There is no buffer, deterrent or visual aid to warn or prevent an errant vehicle from mounting kerb and potential drop onto the flight of steps. This may lead to injuries to the vehicle occupants or any pedestrians using the steps. The is an existing issue but the residential development will increase the number of people walking and vehicle movements.	
	
RECOMMENDATION	
It is recommended that appropriate measures are in place to inform drivers of the hazard and / or to prevent / deter vehicles from entering the stairs.	

3.2 GENERAL

PROBLEM 3.2.1	
Location	Dalton Street and Dantzic Street.
Summary	Injudicious parking may lead to conflicts.
If vehicles park injudiciously and outside the designated parking bays it may lead to several potential conflicts, namely – • Obscure junction visibility - This may lead to an incident of ‘looked but failed to see’ and, potentially, a pull-out collision. • Inadequate visibility of pedestrians - Pedestrians crossing the roads must be able to see and be seen by approaching traffic. If inadequate visibility is achieved, then there is a risk of pedestrian collisions with approaching traffic. • Vehicles crossing into opposing lane or being ‘squeezed’ - Collisions with cyclists and ‘head-on’ or ‘side-swipe’ type collisions may occur. These concerns may be exacerbated if vehicles can not fully enter the parking bays on Dalton Street and Dantzic Street, which laybys are proposed without taper entry/egress. Vehicles may protrude into the running lane or cycle lane and become a hazard. (Refer also to Problem 3.4.4).	
RECOMMENDATION	
It is recommended that ‘no waiting’ restrictions are provided (Dalton Street and southside of Dantzic Street). It is also recommended that the entry/egress tapers are provided at the parking bays. It is further recommended that the laybys have suitable layouts and sufficient parking spaces to accommodate the expected number of parked vehicles.	

3.3 JUNCTIONS

PROBLEM 3.3.1	
Location	Dalton Street / Dulwich Street Junction.
Summary	Vehicles may strike the traffic island.
The scheme proposes the introduction of a traffic island to segregate vehicle movement onto Dulwich Street. Vehicles in darkness or inclement weather may strike the island and lose control.	
RECOMMENDATION	
It is recommended that reflective bollards are provided on the nosings.	

3.4 WALKING, CYCLING AND HORSE RIDING

PROBLEM 3.4.1	
Location	Dantzic Street, pedestrian crossings.
Summary	Potential for pedestrian collisions.
The scheme proposes the introduction of 'Look Right' road markings at each crossing point. This could be confusing to pedestrians and mislead into thinking the road is one-way. This could lead to pedestrians crossing injudiciously and lead to a collision with vehicle.	
RECOMMENDATION	
It is recommended that the road markings are removed.	

PROBLEM 3.4.2	
Location	Dalton Street.
Summary	Potential for pedestrian falls.
There is an existing flight of steps on the north side of Dalton Street at its junction with Dantzic Street. The residential development will increase the number of people walking at this junction. This may be a hazard to pedestrians with visual impairment, and lead to falls.	
	
RECOMMENDATION	
It is recommended that appropriate hazard paving is provided at the top and bottom of the flight of steps, that suitable handrails are installed and that the steps are cleared of detritus.	

PROBLEM 3.4.3	
Location	Dalton Street and Dantzic Street.
Summary	Potential for pedestrian / vehicle collisions at night.
No street lighting improvements have been indicated on the drawings provided. Consequently, there is potential for a collision in darkness involving a vehicle and a pedestrian crossing.	
RECOMMENDATION	
It is recommended that suitable street lighting is provided.	

PROBLEM 3.4.4	
Location	Dantzic Street.
Summary	Potential for cyclist collisions.
The presence of the cycle lane adjacent to the parking bays may result in conflicts when vehicle occupants open the vehicle door. This could lead to cyclists colliding with the door or taking evasive action and suddenly entering the traffic lane, and colliding with a vehicle. On a similar theme, existing gully gratings may be unsuitable for cyclists to traverse, which may lead to loss of control collisions or suddenly entering carriageway and into conflict with a vehicle.	
RECOMMENDATION	
It is recommended that a buffer zone is provided or that the cycle lane is further widened or that the cycle lane is removed from the proposals.	

PROBLEM 3.4.5	
Location	Dantzic Street.
Summary	Vehicle / pedestrian conflicts are possible.
The design of the new road layout does not indicate any pedestrian crossing points for the accesses on the north side of Dantzic Street. In absence of dropped kerbs, pedestrians may trip and fall stepping up or down from full height kerbs or be vulnerable should they spend longer in the carriageway when crossing.	
RECOMMENDATION	
It is recommended that safe, convenient and accessible crossing points are provided.	

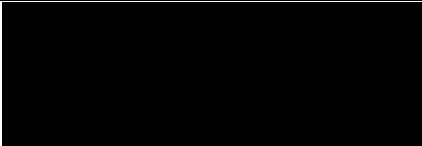
3.5 TRAFFIC SIGNS, CARRIAGEWAY MARKINGS AND LIGHTING

PROBLEM 3.5.1	
Location	Dalton Street and Dantzic Street.
Summary	Signs installed at inappropriate locations could be struck by a passing vehicle or could partially obstruct the footway.
The detailed design of the traffic signs does not include the intended sign sizes or clearances from edge of carriageway or within footways. Signs or posts installed at inappropriate locations could lead to an injury if struck by a passing vehicle or if partially obstructing the footway.	
RECOMMENDATION	
It is recommended that all signs and posts are installed at safe and suitable locations.	

**** END OF IDENTIFIED PROBLEMS AND RECOMMENDATIONS MADE AT THIS
STAGE 2 ROAD SAFETY AUDIT ****

4 Audit Team Statement

We certify that this Road Safety Audit has been carried out in accordance with GG 119.

ROAD SAFETY AUDIT TEAM LEADER	
Name:	Mark Hedley
Signed:	
Position:	Partner
Organisation:	Road Safety Initiatives LLP
Date:	2 December 2025
ROAD SAFETY AUDIT TEAM MEMBER	
Name:	Martin Morley
Signed:	
Position:	Partner
Organisation:	Road Safety Initiatives LLP
Date:	2 December 2025

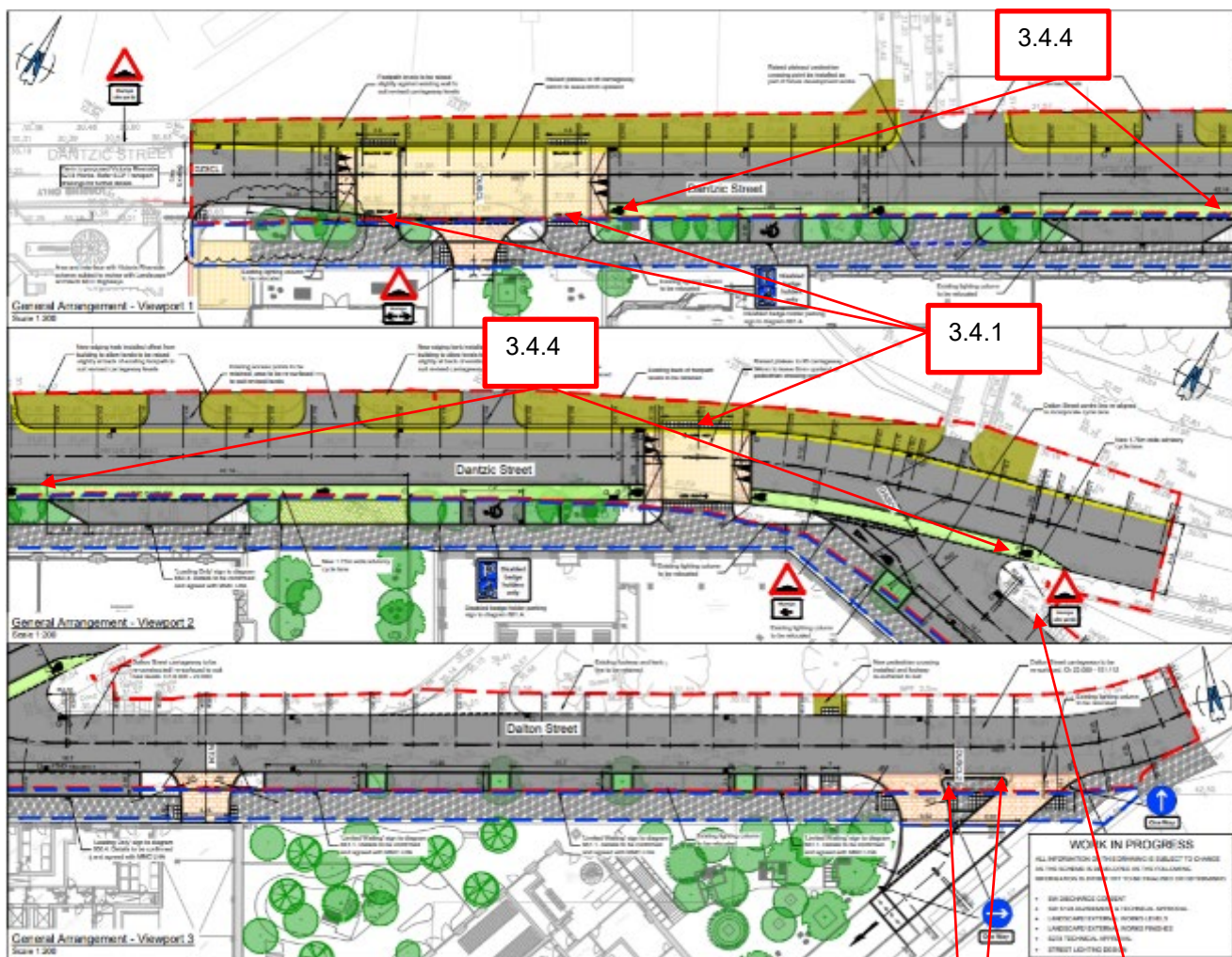
Appendices, Figures and Tables

Appendix A: Scheme Documents Issued for Road Safety Audit

DRAWING/DOCUMENT REFERENCE	REV	TITLE
RDB-HBA-T1-XX-DR-A-200006	P01	N1 – NT02 Site Plan
RDB/ROC/2B/XX/DR/C/47/0600	P01	External Works Construction Details
RDB/ROC/ZZ/XX/DR/C/47/0700	P02	Section 278 Works General Arrangement
RDB/ROC/ZZ/XX/DR/C/47/0701	P02	Section 278 Works Pavement Construction
RDB/ROC/ZZ/XX/DR/C/47/0702	P02	Section 278 Works Kerbs & Edging
RDB/ROC/ZZ/XX/DR/C/47/0703	P02	Section 278 Works Signs & Roadmarkings
RDB/ROC/ZZ/XX/DR/C/47/0704	P02	Section 278 Works Contours & Levels
RDB/ROC/ZZ/XX/DR/C/47/0705	P02	Section 278 Works Falls & Gradients
RDB/ROC/ZZ/XX/DR/C/47/0706	P02	Section 278 Works Carriageway Long Sections
RDB/ROC/ZZ/XX/DR/C/47/0707	P02	Section 278 Works Dantzic St Cross Sections Sheet 1 of 4
RDB/ROC/ZZ/XX/DR/C/47/0708	P02	Section 278 Works Dantzic St Cross Sections Sheet 2 of 4
RDB/ROC/ZZ/XX/DR/C/47/0709	P02	Section 278 Works Dantzic St Cross Sections Sheet 3 of 4

DRAWING/DOCUMENT REFERENCE	REV	TITLE
RDB/ROC/ZZ/XX/DR/C/47/0710	P02	Section 278 Works Dantzic St Cross Sections Sheet 4 of 4
RDB/ROC/ZZ/XX/DR/C/47/0711	P02	Section 278 Works Dalton St Cross Sections Sheet 1 of 3
RDB/ROC/ZZ/XX/DR/C/47/0712	P02	Section 278 Works Dalton St Cross Sections Sheet 2 of 3
RDB/ROC/ZZ/XX/DR/C/47/0713	P02	Section 278 Works Dalton St Cross Sections Sheet 3 of 3
RDB/ROC/ZZ/XX/DR/C/47/0720	P02	Section 278 Works Isopachyte Depth Bands
RDB-WSP-XX-XX-DR-TP-018	P03	Proposed Spot Elevations
RDB-WSP-XX-XX-DR-TP-026	P02	Dantzic Street Highway Improvements General Arrangement
RDB-WSP-XX-XX-DR-TP-027	P02	Vehicle Tracking
RDB-WSP-XX-XX-DR-TP-028	P02	Dantzic Street Highway Improvements Visibility Splays at Junctions
RDB-WSP-XX-XX-DR-TP-029	P02	Dantzic Street Highway Improvements Visibility Splays at Pedestrian Crossings
-	27/10/25	Stage 2 RSA Brief

Appendix B: Location Plan



GENERAL

3.2.1 - Injudicious parking may lead to conflicts.

3.4.3 - Potential for pedestrian / vehicle collisions at night.

3.4.5 - Vehicle / pedestrian conflicts are possible.

3.5.1 - Signs installed at inappropriate locations could be struck by a passing vehicle or could partially obstruct the footway.

3.1.1
3.4.2

3.3.1

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