SLR Consulting Limited

35 Fountain Street Ltd

35 Fountain Street

SLR Project No.: 410.065681.00001

23 May 2024

Revision: 02

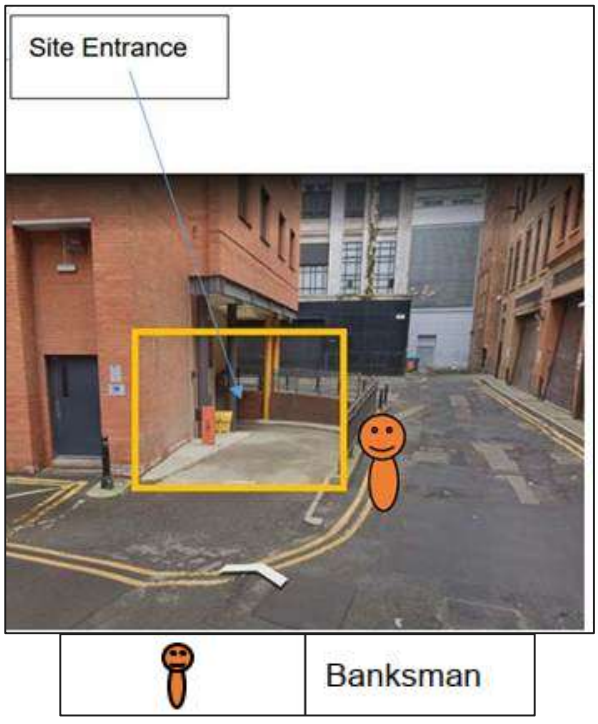
CONSTRUCTION SWEPT PATH ANALYSIS

1.1 This Technical Note is prepared by SLR on behalf of 35 Fountain Street Ltd in order to discharge Condition 4 of Planning Permission 136013/FO/2023 on the swept path analysis of construction vehicles as below:

Before the development commences, a swept path analysis exercise must be carried out for the access and egress of construction vehicles, and agreed in writing with the City Council as local planning authority.

1.2 Construction vehicles are looking to access the site compound which will be based around the basement car park ramp as shown in **Figure 1** below.

Figure 1: Site Compound



1.3 The nature of construction vehicles arriving on site is assumed to be generally provided by 10m rigid vehicles or less. This is due to the limited nature of works being undertaken and the constrained nature of the site.

1.4 If there is a need for a larger vehicle to arrive on site then this would be by exception and in such a situation it would be under the control of a banksman for the turn into Marble Street and the exit from West Moseley Street onto York Street to ensure the safety of road users.

SWEPT PATH ANALYSIS

1.5 It is noted that the area includes one-way streets which does influence the vehicle routeing. In practice the vehicle routes described next are all used by large refuse and delivery vehicles and therefore the presence of such vehicles would not be unusual.

Inbound Vehicle Route

1.6 The vehicle tracking of construction traffic approaching the site is shown in **Dwg 410.065681.00001-AT01.** Here we have shown the detail of vehicle tracking at the tightest locations. In summary vehicles coming to the site will approach from Portland Street, then Nicholas Street/Booth Street, Fountain Street and then Marble Street. The vehicle would then turn right into West Mosley Street before reversing up to the site compound. This manoeuvre would be under the control of a Banksman.

1.7 This route has been checked and there is no requirement to suspend parking bays or amend any other Traffic Regulation Order.

Outbound Vehicle Route

1.8 The outbound vehicle route for vehicles exiting the site will be to head south on West Mosley Street and turn right into York Street and then head towards Portland Street. The vehicle route and swept path analysis for the tightest location is shown in **Dwg 410.065681.00001-AT02**.

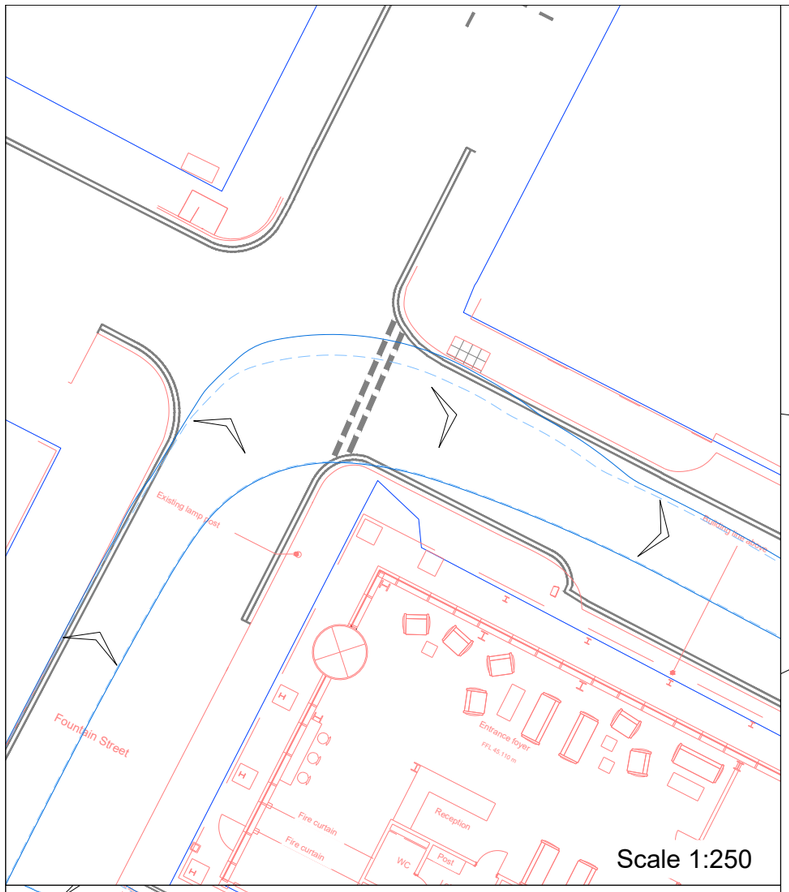
1.9 Passing along West Mosely Street there are on street parking bays but the detail on drawing **AT02** shows that a large vehicle can pass those without conflict. On turning left into York Street, the vehicle does pass over a Bus Stop. When a bus is stopping here it does so for only a short period of time for passengers to exit or board. Therefore, the construction vehicle would wait only for a transitory period until the way is clear.

1.10 Along the rest of the route, such vehicles do not conflict with any other vehicles or parking bays, so no other changes are necessary along this route.

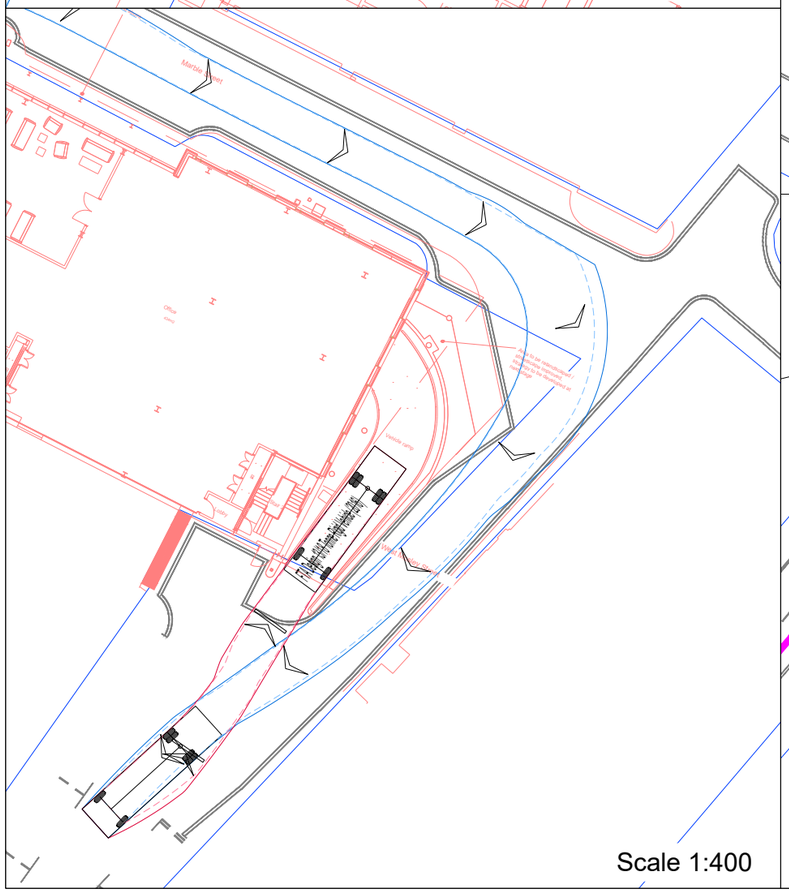
Conclusion

1.11 In conclusion, this Technical Note presents the Swept Path Analysis for construction vehicles accessing the 35 Fountain Street site compound. In summary there is no requirement to suspend parking bays or other Traffic Regulation Orders. Vehicles accessing the site compound will need to make a reversing manoeuvre and this would be under the control of a banksman.

DRAWINGS

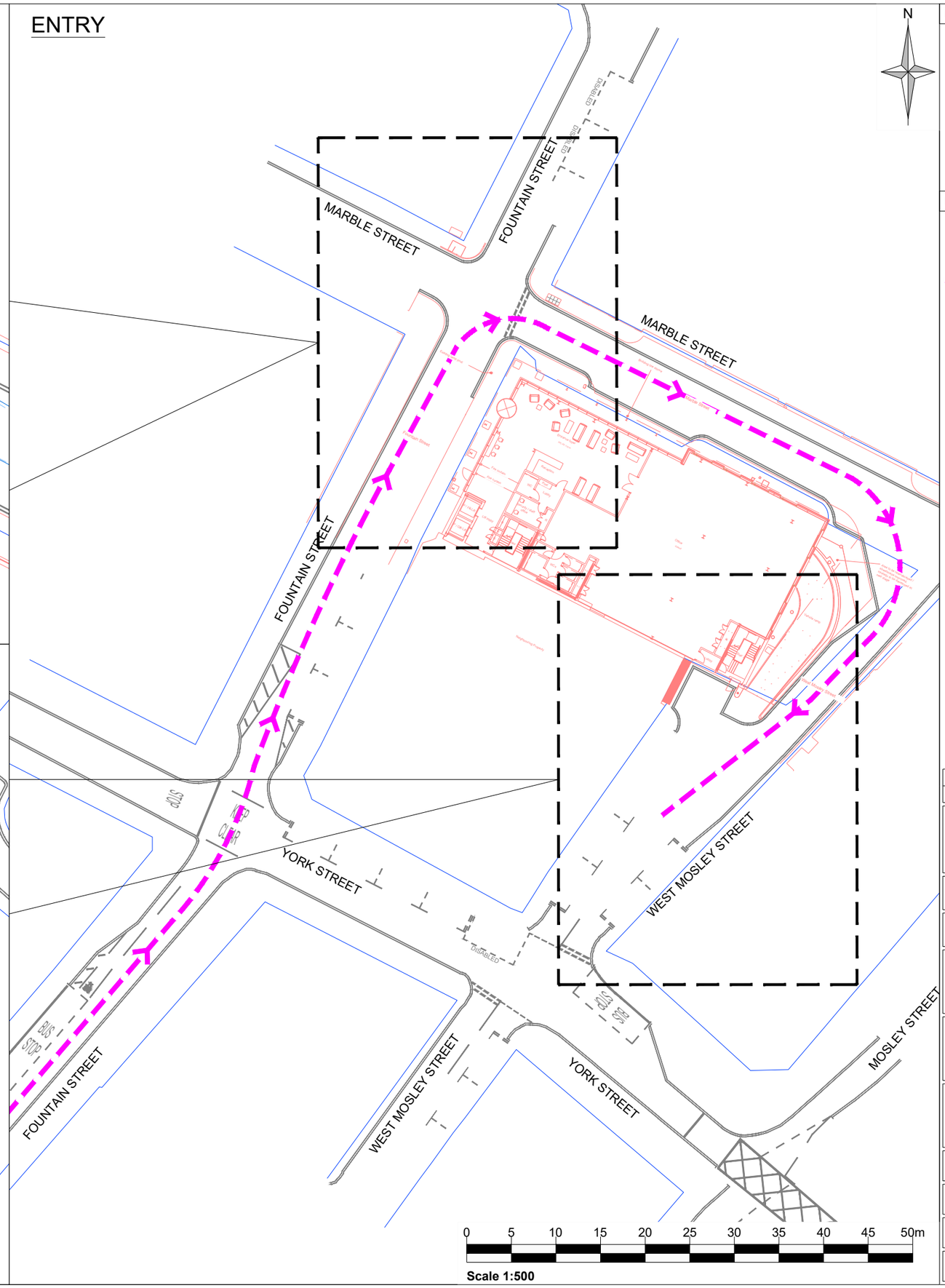


Scale 1:250



Scale 1:400

ENTRY



Scale 1:500

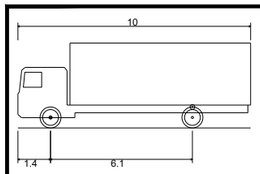
N

Notes:

1. This is not a construction drawing and is intended for illustrative purposes only.

Legend:

- EXTENT OF PUBLIC HIGHWAY
- PROPOSED DEVELOPMENT - GROUND FLOOR PLAN
- VEHICLE ROUTE



FTA Design 13/18 Tonne Rigid Vehicle (2016)

Overall Length	10.000m
Overall Width	2.550m
Overall Body Height	3.645m
Min Body Ground Clearance	0.440m
Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	11.000m

Rev	Amendments	Date	By	Chk	Auth
A	Tracking vehicle and formatting amended	20.05.24	CG	GD	GD

SLR

www.slrconsulting.com

Drawing Status & Suitability Code: **Preliminary**

Client: CBRE

Project: 35, Fountain Street, Manchester

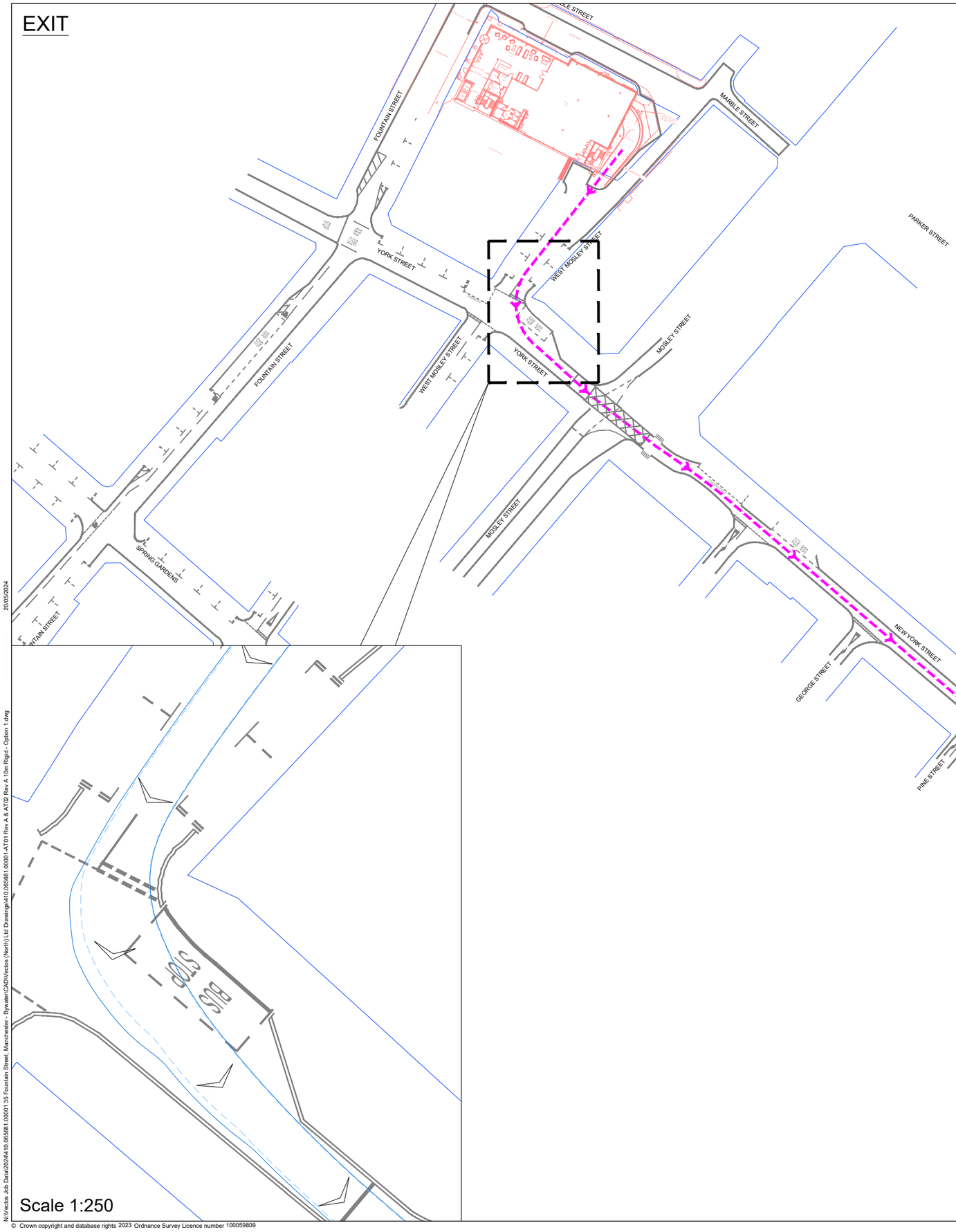
Drawing Title: Swept Path Analysis - Option 1
12m Rigid Truck - Entry

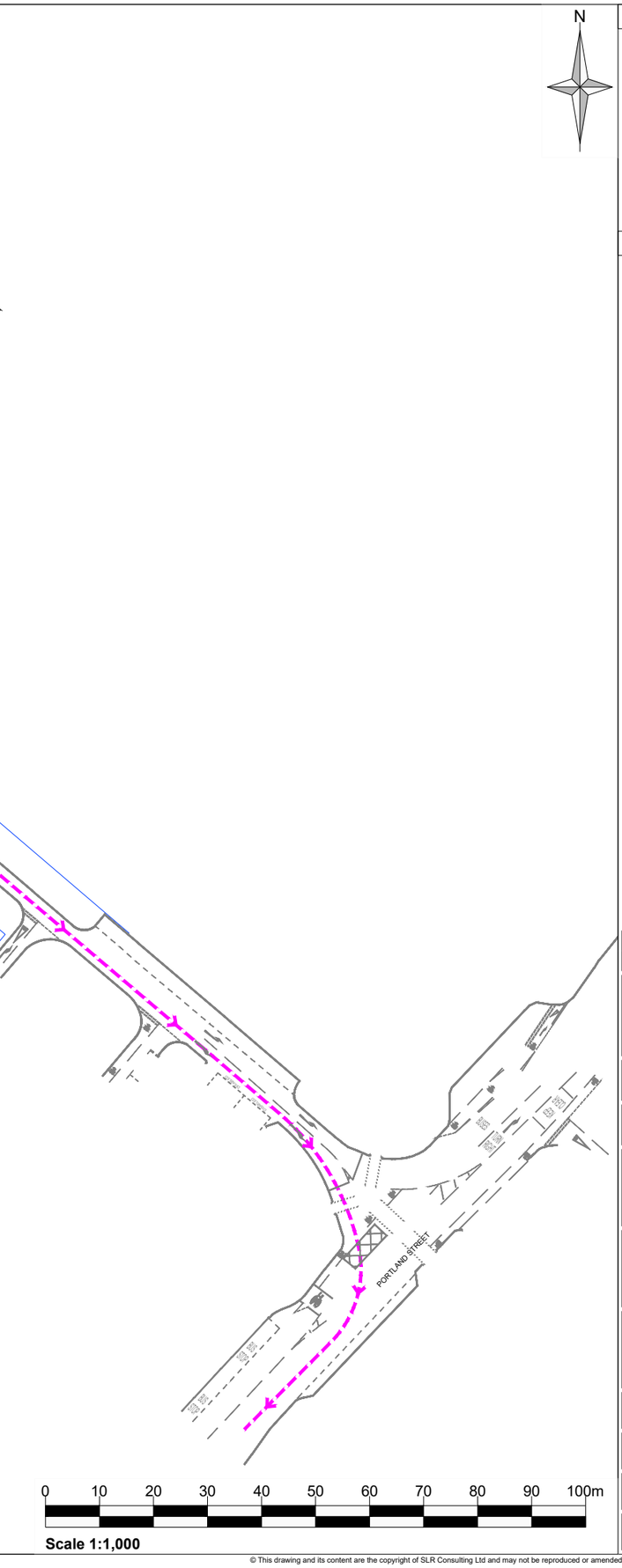
Scale	SLR Project No.
1:500 @ A3	

Designed	Drawn	Checked	Authorised
NS	NS	GD	GD
Date: 15.05.2024	Date: 15.05.2024	Date: 17.05.2024	Date: 17.05.2024

Drawing Number: **410.065681.00001-AT01** Rev.: **A**

EXIT





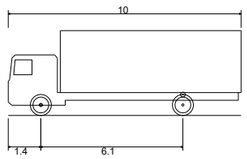
N

Notes:

1. This is not a construction drawing and is intended for illustrative purposes only.

Legend:

- EXTENT OF PUBLIC HIGHWAY
- PROPOSED DEVELOPMENT - GROUND FLOOR PLAN
- VEHICLE ROUTE



FTA Design 13/18 Tonne Rigid Vehicle (2016)	
Overall Length	10.000m
Overall Width	2.550m
Overall Body Height	3.645m
Min Body Ground Clearance	0.440m
Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	11.000m

Rev	Amendments	Date	By	Chk	Auth
A	Tracking vehicle and formatting amended	20.05.24	CG	GD	GD

SLR

www.slrconsulting.com

Drawing Status & Suitability Code: **Preliminary**

Client: CBRE

Project: 35, Fountain Street, Manchester

Drawing Title: Swept Path Analysis - Option 1
12m Rigid Truck - Exit

Scale	SLR Project No.
1:1000 @ A3	

Designed	Drawn	Checked	Authorised
NS	NS	GD	GD
Date	Date	Date	Date
15.05.2024	15.05.2024	17.05.2024	17.05.2024

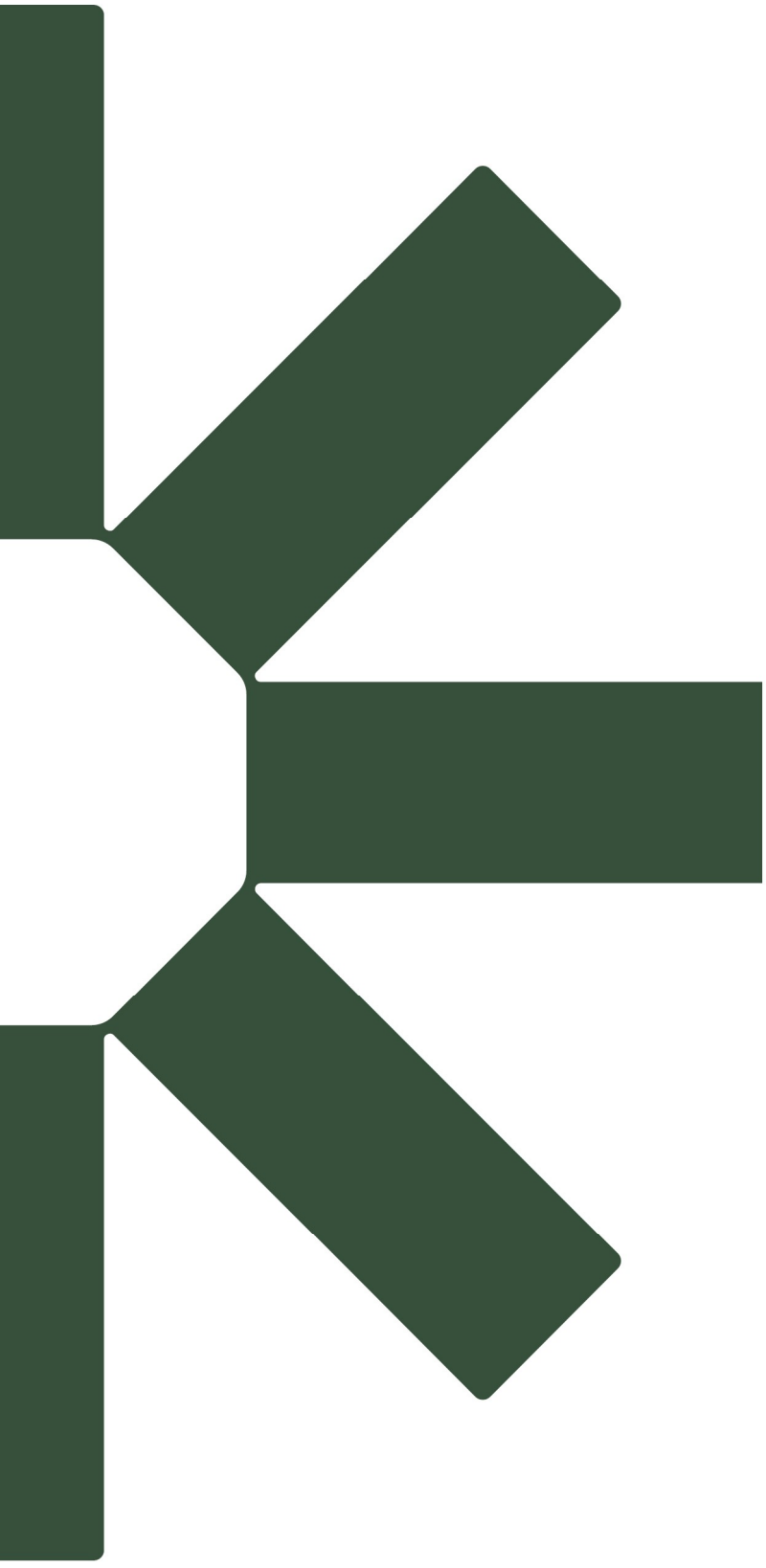
Drawing Number: **410.065681.00001-AT02** Rev. **A**

20/05/2024

N:\Vectos Job Data\2024\410.065681.00001 35 Fountain Street, Manchester - Bywater\CAD\Vectos (North) Ltd Drawings\410.065681.00001-AT01 Rev A & AT02 Rev A 10m Rigid - Option 1.dwg

© Crown copyright and database rights 2023 Ordnance Survey Licence number 100059809

© This drawing and its content are the copyright of SLR Consulting Ltd and may not be reproduced or amended except by prior written permission. SLR Consulting Ltd accepts no liability for any amendments made by other persons.



Making Sustainability Happen