TECHNICAL FILE NOTE 1					
Project	Domett Street, Moston			Project No	1895
Contact		Originator	PL	Date	29/11/23

ASHLEY HELME ASSOCIATES

VISIBILITY ASSESSMENT & SWEPT PATH ANALYSIS

1.0 Introduction

1.1 Ashley Helme Associates (AHA) are appointed by Jigsaw Homes to provide highways/transport advice in respect of the proposed residential development on land off Domett Street, Moston (henceforth referred to as the Site).

1.2 Manchester City Council (MCC) have provided consultation responses, dated 7 September 2023 & 1 November 2023, to the planning application (ref 137733/FO/2023).

1.3 MCC have provided comments relating to visibility at the Site Access and at the Domett Street/Old Market Street junction. MCC have also requested swept path analysis of the southernmost parking spaces within the proposed car park. This Technical Filenote provides the information requested by MCC.

2.0 Visibility Assessment

2.1 MCC requested the following to be considered with respect to visibility at the proposed Site Access and the Domett Street/Old Market Street junction:

"The majority of fencing around the site comprises 900mm high brick piers with railings. All fencing / railings adjacent to the proposed site access and Domett Street/Old Market Street junction should be visually permeable from a distance of 600mm upwards to ensure adequate visual permeability for child pedestrians and to allow for vehicle visibility splays.

As the proposed piers are 900mm high and may therefore obstruct visibility, plans are requested which demonstrate that the following levels of visibility can be achieved:

- Site access - 2m x 2m pedestrian visibility splay;
- Site access - 2.4m (x-distance) by 25m (y-distance) vehicular visibility splay in accordance with Manual for Streets Guidance for 20mph design-speeds; and
- Domett Street/Old Market Road junction - 2.4m (x-distance) by 43m (y-distance) vehicular visibility splay in accordance with Manual for Streets Guidance for 30mph design-speeds.

2.2 The proposed Site Access arrangements have been amended in response to the MCC comments. The boundary wall has been splayed at the proposed Site Access to provide the requested 2m x 2m pedestrian visibility splay. The Site Access arrangements are indicated on Drg No 1895/01 and show the provision of a 2m x 2m pedestrian visibility splay.

2.3 Drg No 1895/01 shows the provision of 2.4m x 25m visibility splays at the Site Access. The visibility splays are measured to the nearside carriageway edge in both directions.

2.4 The visibility splays at the Domett Street/Old Market Street junction are also indicated on Drg No 1895/01. MCC requested the provision of 2.4m x 43m visibility splays in accordance with the 30mph speed limit on Old Market Street. The visibility splay to the right is measured to the nearside kerb. The visibility splay to the left is measured to a position 1.0m inset from the nearside kerb.

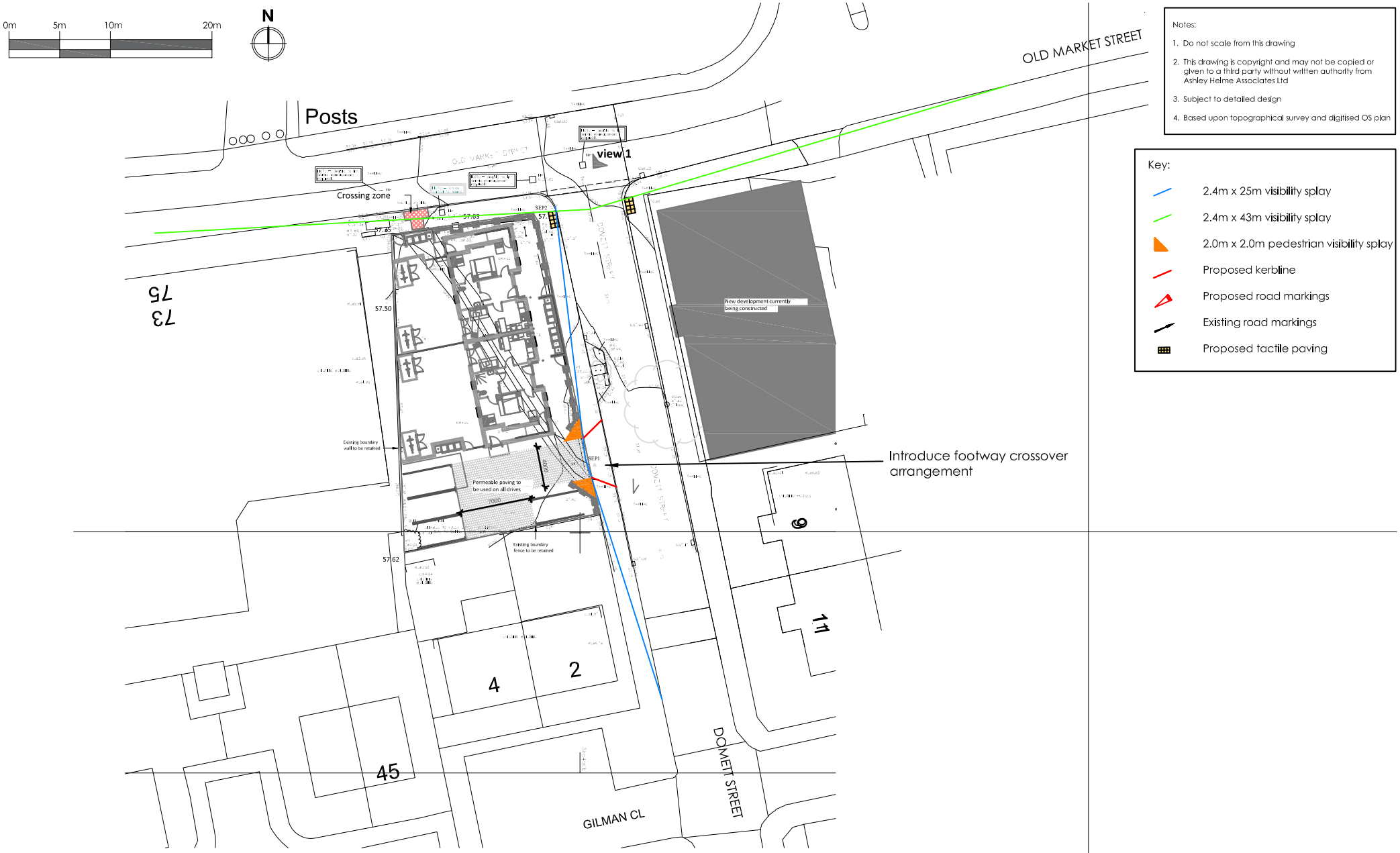
2.6 It is demonstrated that the visibility splays requested by MCC are achievable at the proposed Site Access and at the Domett Street/Old Market Street junction.

3.0 Swept Path Analysis

3.1 MCC requested swept path analysis be undertaken for the southernmost proposed parking bays at the Site, stating:

"The proposed parking spaces are shown to align with Highways minimum. standards with appropriate aisle and access width. It appears that no landscaping strip/clearance is provided between the most southern spaces and the retained fence-line and so swept path assessment of these spaces is requested to ensure access/egress can be achieved."

3.2 Drg No 1895/SP/01 present the swept path analysis of the two southernmost parking spaces. The swept path analysis demonstrates that an estate car can enter the Site in forward gear, park within the spaces and manoeuvre within the available aisle width before departing the Site in forward gear.



Notes:

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Key:

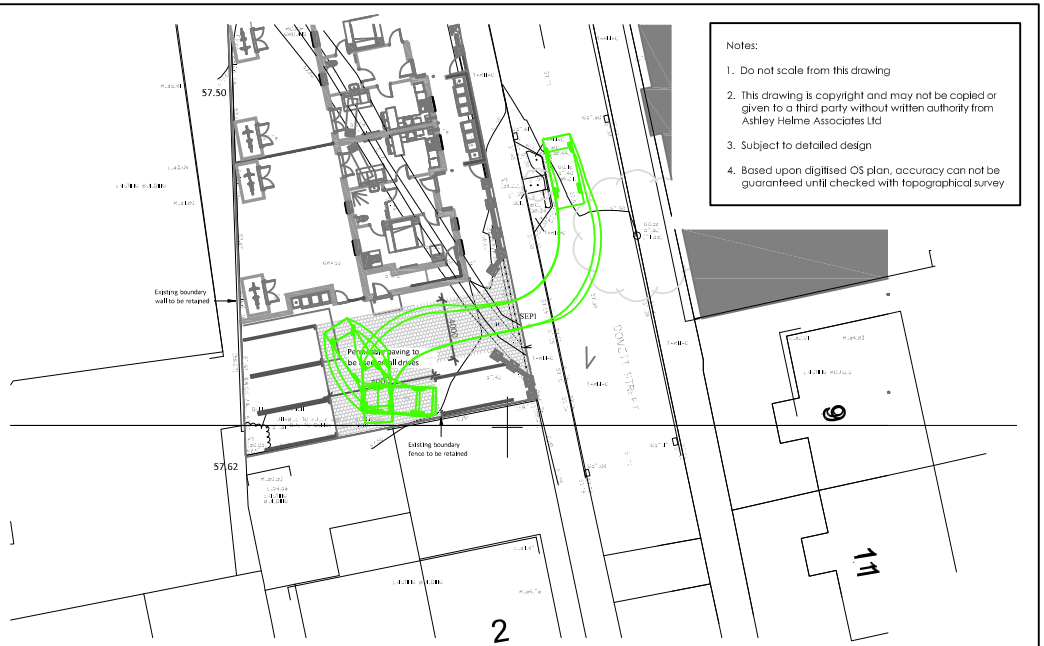
- 2.4m x 25m visibility splay
- 2.4m x 43m visibility splay
- 2.0m x 2.0m pedestrian visibility splay
- Proposed kerbline
- Proposed road markings
- Existing road markings
- Proposed tactile paving

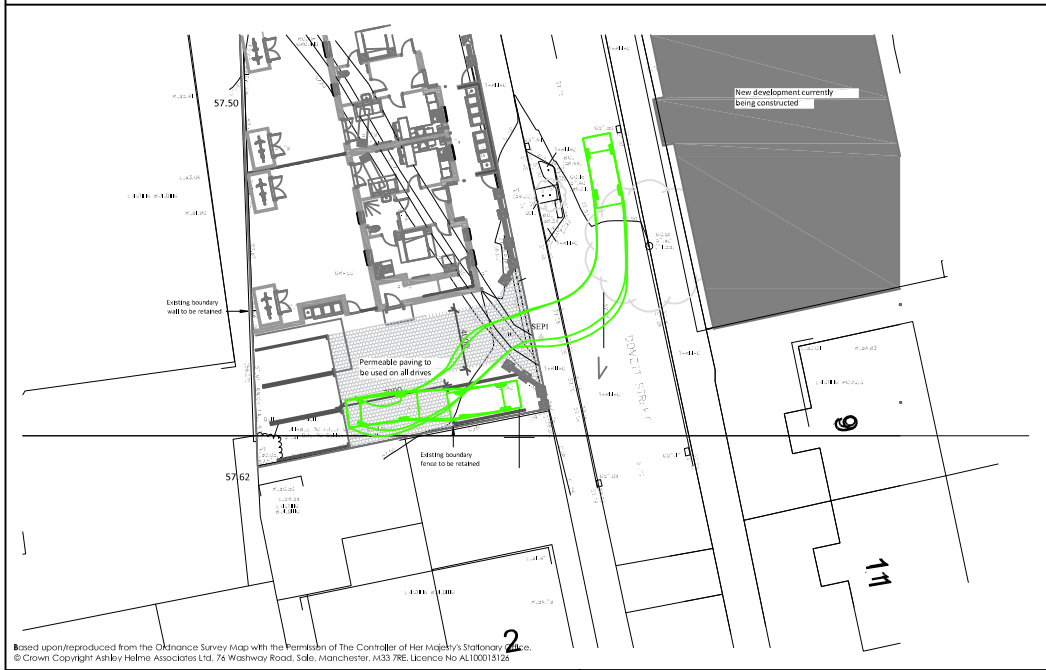
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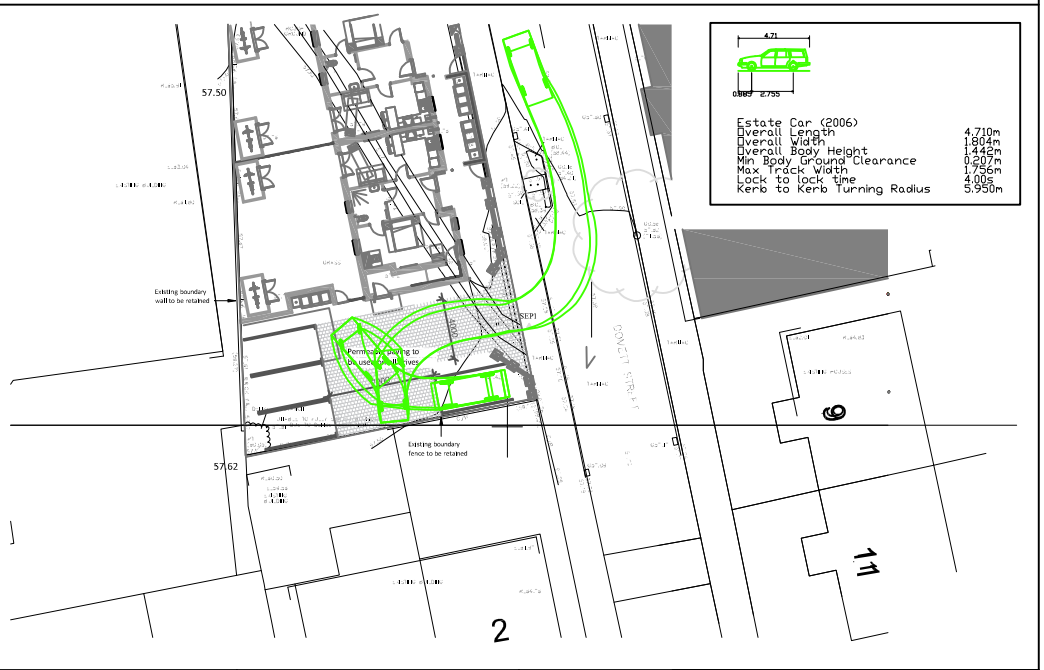
Project: DOMETT STREET, MOSTON	Title: PROPOSED ACCESS ARRANGEMENTS & VISIBILITY ASSESSMENT	Drawing No: 1895/01	Rev:
Client: JIGSAW HOMES		Date: NOVEMBER 2023	Scale: 1:500@A4

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Project: DOMETT STREET, MOSTON	Title: SWEPT PATH ANALYSIS: ESTATE CAR	Drawing No: 1895/SP/01	Rev:
Client: JIGSAW HOMES		Date: NOVEMBER 2023	Scale: 1:500@A4

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