

Craig Hutchinson

From: Heather Carlisle
Sent: 29 July 2014 08:58
To: Scanning
Subject: FW: Aldi - Westlea S/out/14/0568
Attachments: Stage 1 report Westlea - Swindon Aldi.pdf; photos at every 5 mins.pdf; Shaw Road Observations.pdf; SK10_9.7.14.pdf

Importance: High

From: Rob Williams [<mailto:robwilliams@entranltd.co.uk>]
Sent: 15 July 2014 10:03
To: Claire Cornelius
Cc: Heather Carlisle; 'PeterLawson'
Subject: Aldi - Westlea
Importance: High

Claire

Further to you recent response on this project, you raised two [particular comments:

1. Assessment of the queues and operation of the Shaw Road arm

Traffic count and observations attached – Conclusion; no existing queuing and no impact resultant of the Aldi development

2. Proposed access arrangement

Revised access drawing attached.
RSA 1 attached - Conclusion; no impact resultant of the Aldi development

I trust that the attached addresses your concerns. However, if you have any queries please do not hesitate to contact me.

Kind regards

Rob Williams
Director

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Road Safety Audit Stage 1
Location: Aldi Shaw Road , Westlea Swindon ,

Produced for Entran Ltd

Date 10th July 2014



Prepared by

Peter Ronald, I.Eng., A.M.I.C.E., M.C.I.H.T., M.S.O.R.S.A , HA(RSA CofC)
Wing Lee B..Eng M.C.I.H.T.

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Appendix Safety Audit Exception Response

Auditors' Comments

Drawing Details

Other documents

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1. Executive Summary

This scheme is promoted by ALDI Foodstores, and is the subject of a recent request for the Safety Audit dated 1st April 2014

2. Introduction

This report results from a Stage 1 Road Safety Audit request to be carried out on the section 278 works for a new Aldi Supermarket vehicle/pedestrian access from Shaw Road, Swindon close to its junction with B4534 Mead Way

The Audit Team consisted of:

Peter Ronald, I.Eng., A.M.I.C.E., M.C.I.H.T., M.S.O.R.S.A.

Wing Lee M.C.I.H.T

A site visit was undertaken on Thursday 10th July 2014, between the hours of 6.30 and 7.00pm. Weather conditions were dry. The road surface was dry. Traffic conditions were light. Vehicle speeds were seen to be within the posted speed limit. No Pedestrian and cyclist movement were seen during the visit

The Audit comprised an examination of the drawings provided by Entran and any additional support documents completed by the Audit Team as listed in the Appendices.

The terms of reference of the audit are based on "Guidelines For the Safety Audit of Highway Schemes" published by the Institution of Highways and Transportation, other guidance references and the Traffic Signs Regulations and General Directions 2002, in accordance with HD 19/03 Design Manual for Roads & Bridges.

The Auditors have examined and reported only on the road safety implications of the outline design, as presented in the supplied drawings.

All safety issues are with reference to the specific design details shown on the drawings.

Each of the auditors' responses is classified as either a 'Problem' or a 'Nil Response/Comment'. Items classified as a 'Problem' denote matters likely to result in significant road safety hazards. Items marked as 'Nil Response/Comment' are less serious, but worthy of consideration by the designer and/or by the overseeing organisation.

Although all of the problems identified are considered to be of sufficient importance to require action, the table below shows their relative urgency based on the risk perceived by the Safety Auditors. The level of risk assigned to each problem is largely subjective and is only intended as a guide, to assist the client in determining the priority of the issues raised.

Severity / Risk Level	Probability				
	Frequent	Probable	Occasional	Remote	Improbable
Catastrophic	**Problem** (Urgent)				
Critical		**Problem** (High Risk)			
Major			**Problem** (Medium Risk)		
Minor				*Problem* (Low Risk)	
Negligible					Comment

3. Historical Summary

Not known

4. Existing Environment

Shaw Road has a single carriageway and a system of street lighting that imposes a 30mph speed limit. It has a central hatched area along its length.

There is a footway along its northern side and redundant land on the south. There is also a footway crossing located near to its junction with the roundabout with Mead Way and an entrance to a petrol filling station on its northern side .

The site is flat and straight as you proceed west from the junction with Mead Way before a slight right hand bend near its junction with Chelmsford Road

5. Accident / Collision History

Not Provided

6. Survey Information

Not Provided

7. Project

The project is to construct a new Aldi Supermarket with vehicles access from Shaw Road on vacant land fronting Shaw Road and Mead Way.

A mini central hatch with substandard right turn lane is to be provided

8. Stage 1 - Audit Assessment

The table below summarises the findings from this audit, which are described in detail on following pages.

No.	Item	Comments	Notes
A1	General		
A1.1	Departures from Standards		
A1.2	Cross-sections		
A1.3	Cross-sectional Variation		
A1.4	Drainage		Not shown
A1.5	Landscaping		
A1.6	Public Utilities/Services Apparatus		
A1.7	Lay-bys		
A1.8	Access		
A1.9	Emergency Vehicles		
A1.10	Future Widening		
A1.11	Adjacent Development		
A1.12	Basic Design Principles	Comment Problem	(9.1) Footway segregated from carriageway on site not as shown on plan (8.1) Reduced length of central island will encourage right turning vehicles to access petrol station
A2	Local Alignment		
A2.1	Visibility		
A2.2	New/Existing Road Interface	Problem	(8.2) Northern kerb line, eastbound , has kink that guides vehicles into the back of right turn vehicles
A2.3	Vertical Alignment		
A3	Junctions		
A3.1	Layout		
A3.2	Visibility		
A4	Non-Motorised User Provision		
A4.1	Adjacent land		
A4.2	Pedestrian/cycle routes provided	Problem Problem	(8.3) Footway on south side does not continue to Chelmsford Road (8.4) Reduced visibility at crossing point
A4.3	Facilities adequate		
A4.4	Separation from carriageway		
A4.5	Special requirements elderly/young infirm		
A4.6	Tactile paving/guardrails		
A4.7	Junctions		

A4.8	Routes clear of obstruction		
A4.9	Equestrians		
A5	Road Signs, Carriageway Markings And Lighting		
A5.1	Signs		
A5.2	Lighting	Comment	(9.2)Review lighting to account for new layout
A5.3	Poles and Columns		
A5.4	Road Markings	Comment	(9.3) Road markings need reviewing to account for new layout

8.1 *Problem* (item A1.12)

Location: Shaw Road at entrance to petrol filling station

Summary: Reduced length of central reserve will encourage right turn to access petrol station

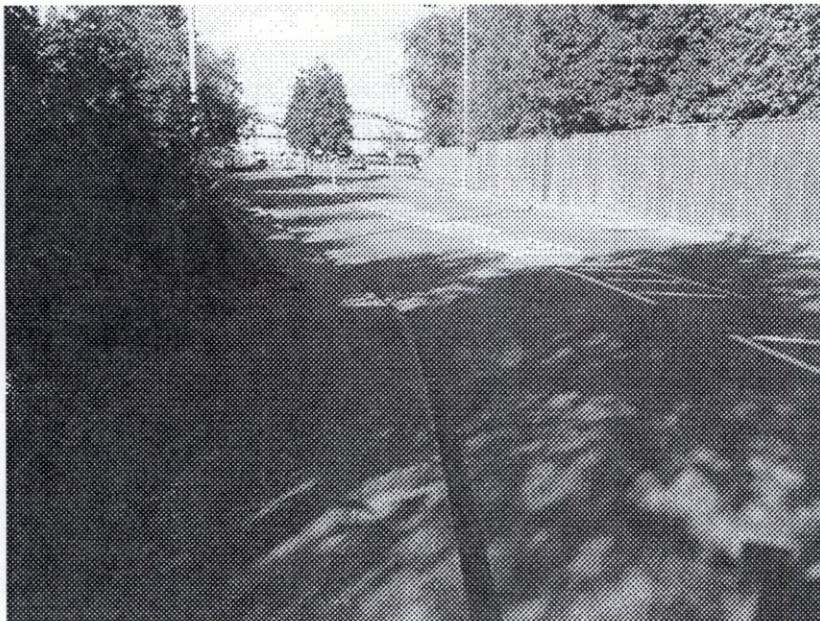
Description: The existing central reserve is being reduced in length to enable large vehicle access to the site. This reduction in length will encourage right turning vehicles to access the nearby petrol station

Type of conflict/collision: Turning vehicle collisions

Recommendation: Monitor right turn vehicles and introduce restriction if necessary

8.2 *Problem* (item A2.2)

Location: Shaw Road, Northern kerb line





Summary: Kerb line alignment pushes traffic into centre around bend

Description: It is proposed to have a mini right turn lane within the central hatched area. The existing kerb alignment pushes eastbound traffic into the centre risking collision with stationary vehicles waiting to turn right

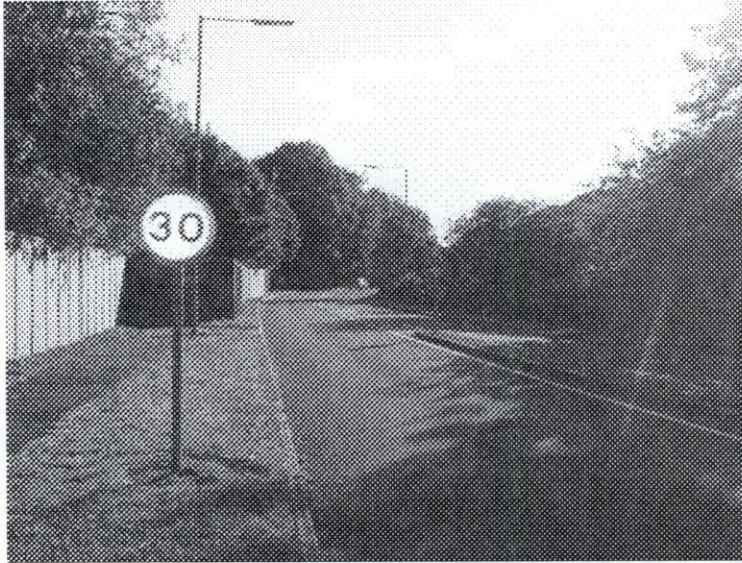
Type of conflict/collision: Rear shunt collisions

Recommendation: Realign nearside kerblines

8.3 *Problem* (item A4.2)

Location: Shaw Road , southern side

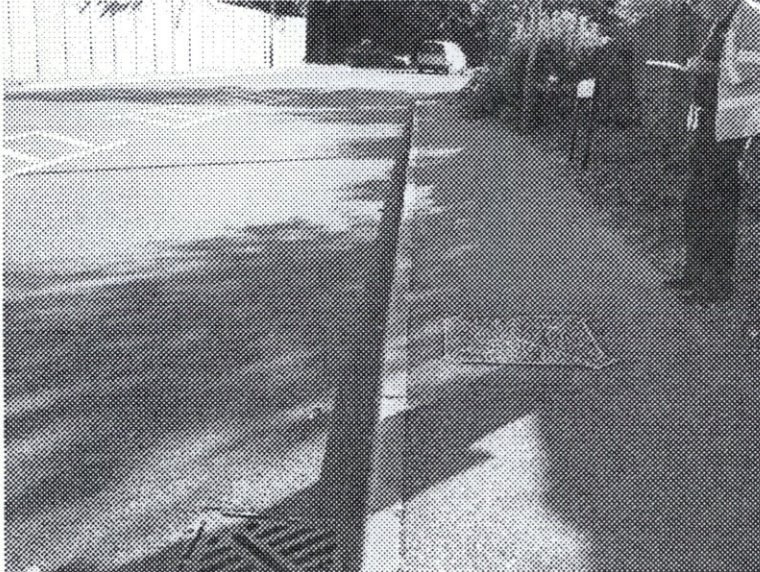




Summary: No new footway is being provided to link up with Chelmsford Road on southern side
Description: No new footway is proposed to link the bus stop on Chelmsford Road to the new store, pedestrians will have to walk along the grass verge.
Type of conflict/collision: Pedestrians falling into the carriageway
Recommendation: **Provide additional length of footway**

8.4 *Problem* (item A4.2)

Location: Shaw Road, northern side at pedestrian crossing point



Summary: A new pedestrian crossing point is being provided. The visibility to the right is reduced because of the adjacent verge foliage. This needs cutting back to ensure adequate visibility is provided
Type of conflict/collision: Vehicles in collision with pedestrians crossing the road
Recommendation: **Cut back vegetation as necessary**

9. Nil response/Comments

9.1 Location: Shaw Road and Mead Way

Existing footway is segregated by verge from carriageway not as detailed on plan

9.2 Location: Shaw Road

Review lighting to account for new layout

9.3 Location: Shaw Road

Carriageway markings need reviewing to meet requirements of new layout

10 Non-motorised User Report

New pedestrian crossing point provided with dropped kerb and tactile paving

11. Auditors' Statement

Auditors Statement

We certify that we have examined the drawings listed in Appendix A and that the site has been inspected. The examination has been carried out with the sole purpose of identifying those features the design that can be modified in order to improve the safety of the scheme.

The problems identified have been noted in the report together with associated safety improvement suggestions that we recommend should be studied for implementation.

We can confirm that we have not been involved with the scheme design.

Peter Ronald
Senior Safety Auditor (Team Leader)

Date 13th July 2014

Wing Lee
Safety Auditor (Team Member)

Stage Road Safety Audit
SAFETY AUDIT EXCEPTION RESPONSE

Scheme Name: Aldi Foodstore, Westlea, Swindon

The issues categorised in the safety audit as 'Problem' matters are those causing serious concern and are summarised below. The purpose of this form is for the scheme designer or Overseeing Organisation to respond to the 'Problem' matters. Responses should be returned to Traffic Management Consultants. 'Comments' in the report are made for the benefit of the designer, and are not referred to below.

Paragraph	Summary of Problem	Designer's response
8.1	Reduced length of central reserve will encourage right turn to access petrol station	Not agreed any more than already happens as this is an illegal movement
8.2	Kerb line alignment pushes traffic into centre around bend	Substandard right turn lane removed and road marking stay as existing
8.3	No new footway is being provided to link up with Chelmsford Road on southern side	Noted, this is not considered necessary as it has a very limited purpose
8.4	New pedestrian crossing point is being provided. The visibility to the right is reduced	Noted, vegetation lies within Highway Authority control

Please complete Designer's responses and return to Traffic Management Consultants Ltd.

Audit Team Comments

8.1

8.2

8.3

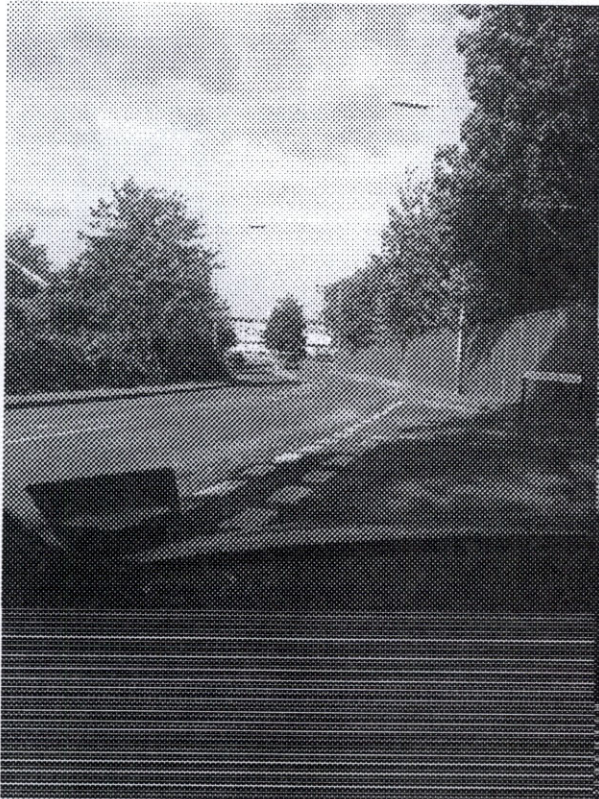
8.4

Appendix A

Drawing Numbers:

Figure 3.1

Figure 4.1

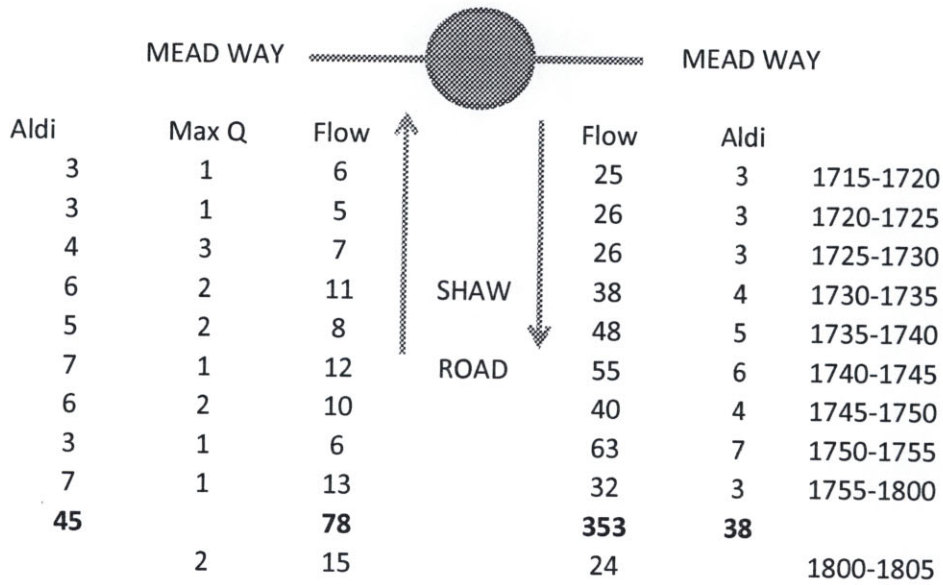








Summary of Manual Count Taken on Wednesday 9th June 2014

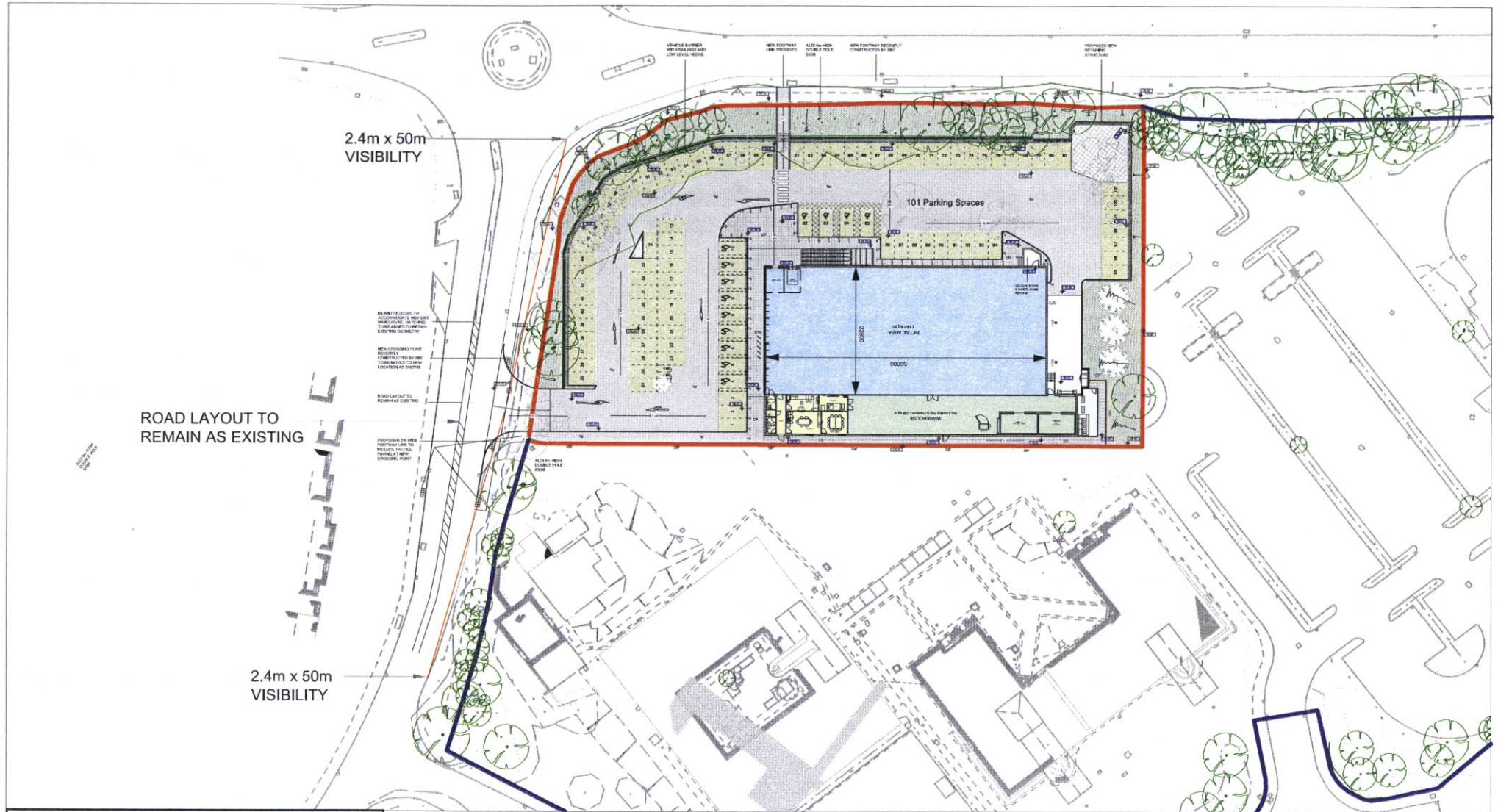


Discount Food Store

Info from TS

Time	Trip Rate (per unit)			Traffic Flows (per unit)		
	Arrivals	Departures	trip rate	Arrivals	Departures	Trips
0800-0900	1.052	0.64	1.692	17	10	27
1700-1800	3.312	3.879	7.191	53	62	115
Daily	38.376	38.375	76.751	614	614	1228
1715-1800	Assume 80%			42	50	
	Assume 90% from Mead Way			38	45	

Note: Max observed Q from Chelmsford Road was 2 vehicles



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PROJECT TITLE **PROPOSED ALDI FOODSTORE
 WESTLEA, SWINDON**
 DRAWING TITLE **VISIBILITY REVIEW**

DATE **9.7.14** SCALE **1:1000** AT **A4** STATUS

DRAWN **DJA** CHECKED **RW** APPROVED **RW**

DRG SIZE **A4** DRAWING NUMBER **SK10** REV **-**