Appendix 7

Stage 1 Road Safety Audit

Designer's Response

Stage 1 Road Safety Audit

Document: GIAS06003 RSA1 Version: 1

Roundstone Lane, Angmering

The Civil Engineering Practice

05 February 2012

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Stage 1 Road Safety Audit

Roundstone Lane, Angmering

The Civil Engineering Practice

05 February 2012

[redacted]

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Document history

Stage 1 Road Safety Audit

Roundstone Lane, Angmering

The Civil Engineering Practice

This document has been issued and amended as follows:

Version	Date	Description	Created by	Verified by	Approved by
1.0	05/02/12	Draft	Matt Chamberlain	David Jukes	Matt Chamberlain
1.0	09/02/12	Final	Matt Chamberlain	David Jukes	Matt Chamberlain

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1 Introduction

This report results from a Stage 1 Road Safety Audit carried out on four new accesses for a potential housing development of approx 300 homes in Angmering, West Sussex. The proposed site has a boundary with High Street in the North, the A280 in the East and Roundstone Lane in the West. One access is proposed on High Street and three on Roundstone Lane.

The Audit Team membership was as follows: -

Matt Chamberlain BSc (Hons), MCIHT MSoRSA MCILT – Halcrow, Swindon

David Jukes – Halcrow, London

This report is presented based upon the checklist contained in Annex A of HD19/03. The team has examined and reported only on the road safety implications of the design and has not examined or verified the compliance of the layout to any other criteria, in accordance with HD 19/03.

A visit to the site was made on Thursday 2nd February 2012 between 12.00 and 13.00 hours when the weather was fine and the road surface dry.

Accident data for the three year period 01/08/2008 to 31/07/2011 has been supplied to the Audit Team for the Angmering area. This shows that there were no recorded injury accidents in the vicinity of the proposed accesses.

Trip generation data has also been supplied. This shows the development is expected to add an additional 276 vehicle trips per day on the adjoining roads.

Despite traffic calming features on Roundstone Lane it was noted by the Audit Team that many vehicles were proceeding at inappropriate speeds for this class and type of road.

A list of the information supplied to the audit team in advance of the audit is contained within Appendix A.

Each of the problems identified by the Audit Team has been allocated a unique reference number and is as shown on the plan extracts contained within Appendix C.

2 General

2.1 Access

2.1.1 Location: New Access on Roundstone Lane – Location 3

Summary: Presence of build-out opposite proposed access could increase risk of the priority system being violated and potential collisions

The proposed access at Location 3 on Roundstone Lane will be directly opposite a build-out which forms part of a priority system. Once the access is constructed there is a risk that drivers will attempt to use the bell-mouth to pass each other and ignore the priority system. This could lead to vehicles conflicting with those approaching the junction on the new access road.

Recommendation

Remove the build-out.

3 Junctions

3.1 Visibility

3.1.1 Location: New Access on Roundstone Lane – Location 1

Summary: Visibility to the south is restricted by alignment/buildings increasing the risk of collisions

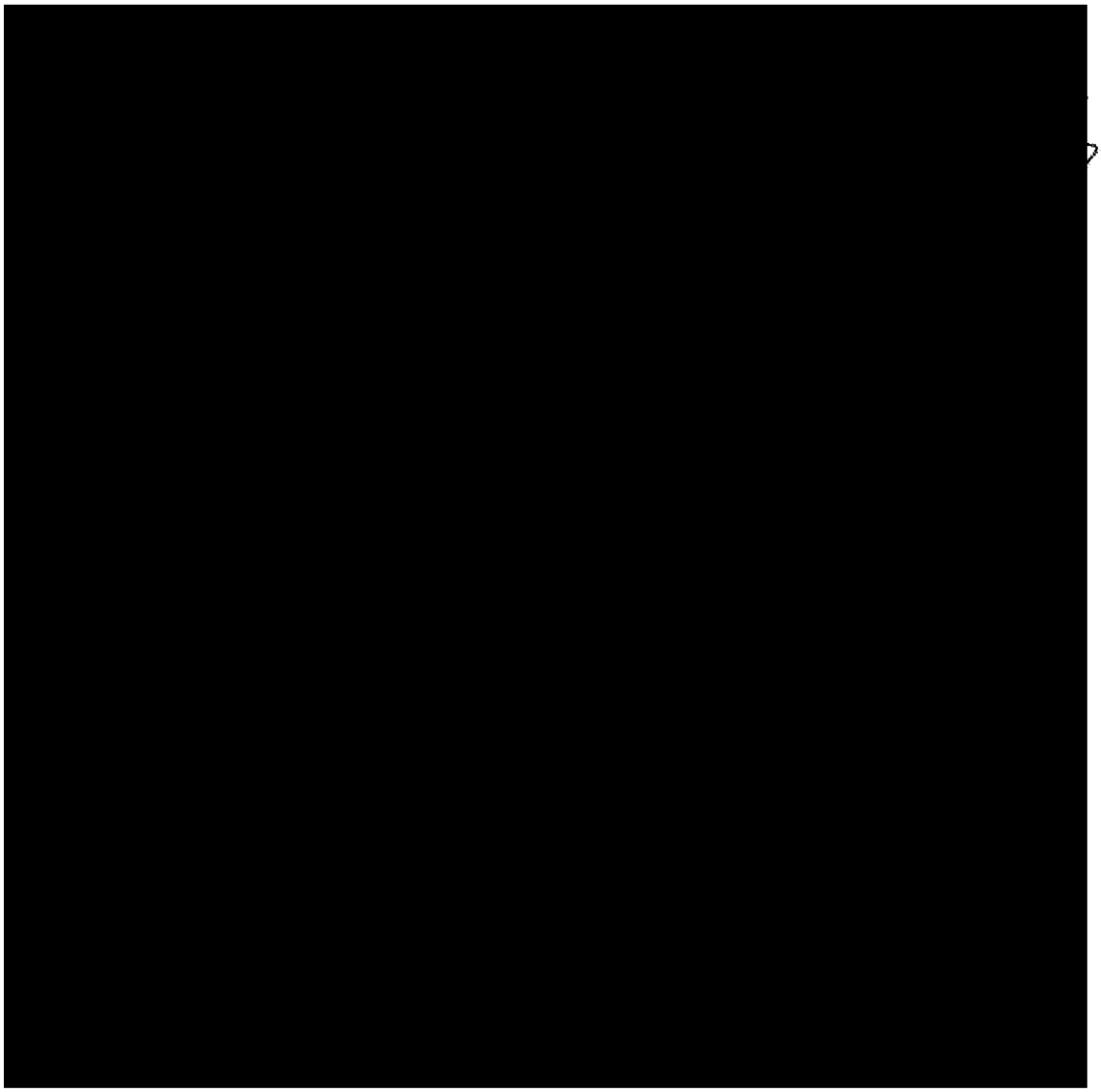
The proposed access is located approximately 25 metres from the junction of Nursery Road. The alignment and the nearby buildings restrict the visibility for drivers emerging from this access which could increase the risk of collisions with vehicles turning into Roundstone Lane from Nursery Road. This problem may be exacerbated by the speeds at which vehicles enter Roundstone Lane which was noted as being high at the time of the site visit.

Recommendation

Move the access further North on Roundstone Lane and ensure sufficient visibility is provided.

4 Audit Team Statement

I certify that this audit has been carried out in accordance with HD 19/03.



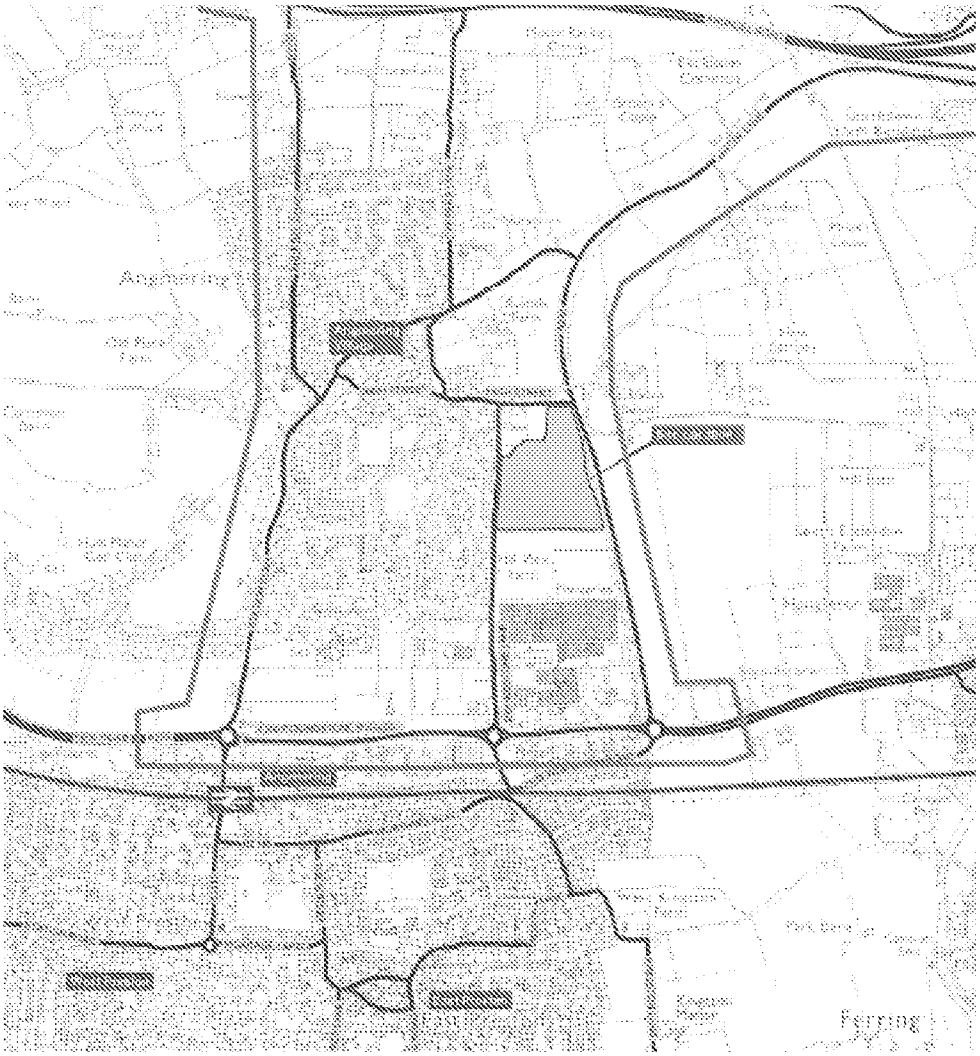
Appendix A

List of Drawings and Documents Supplied

Document	Rev.	Description
-	-	Highways Access Location 1
-	-	Highways Access Location 2
-	-	Highways Access Location 3
-	-	Highways Access Location 4
ST-02-06	L	CAD Planning Layout
-	-	Accident Data

Appendix B

Location Plan



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Appendix C

Key Plan

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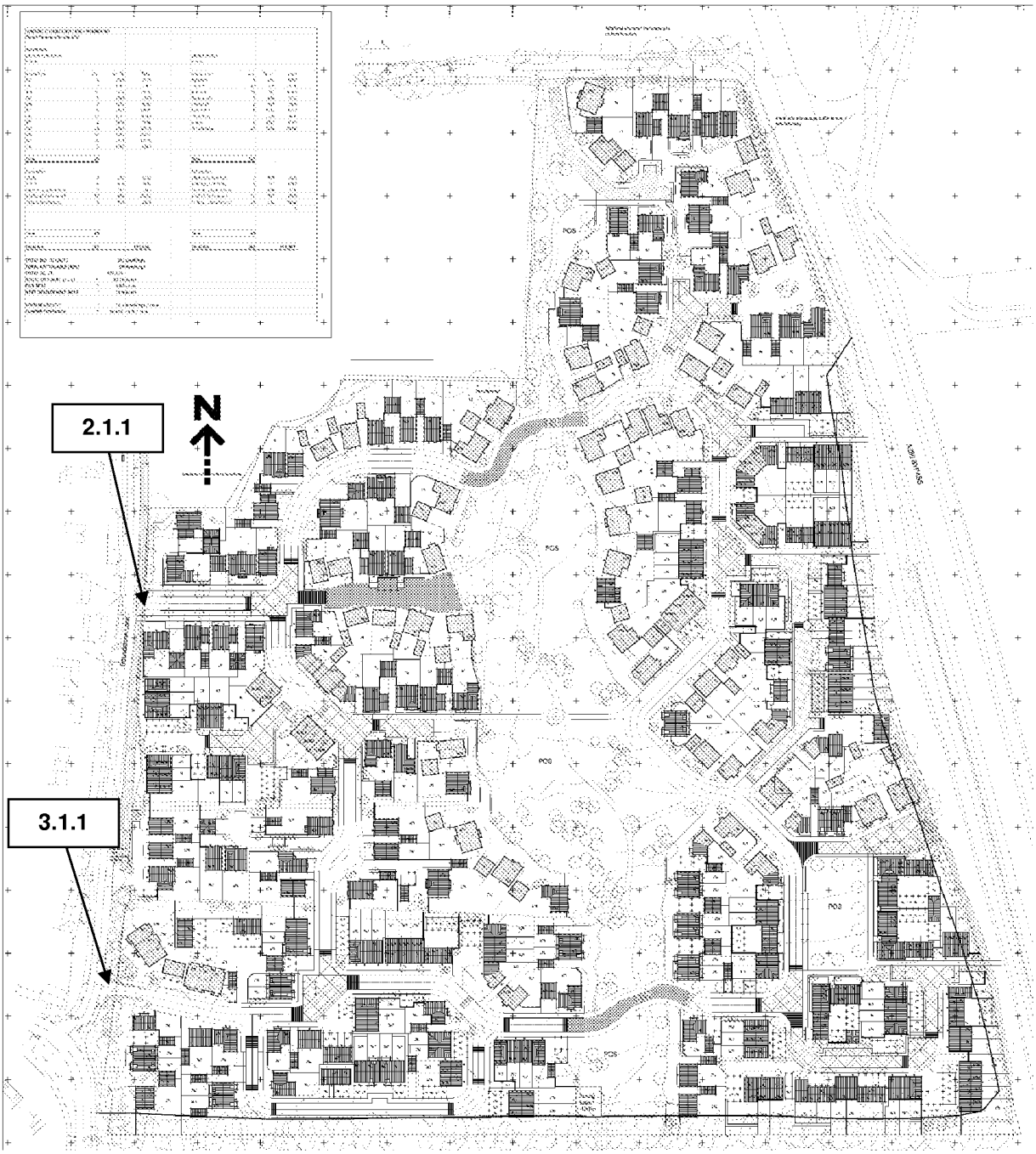
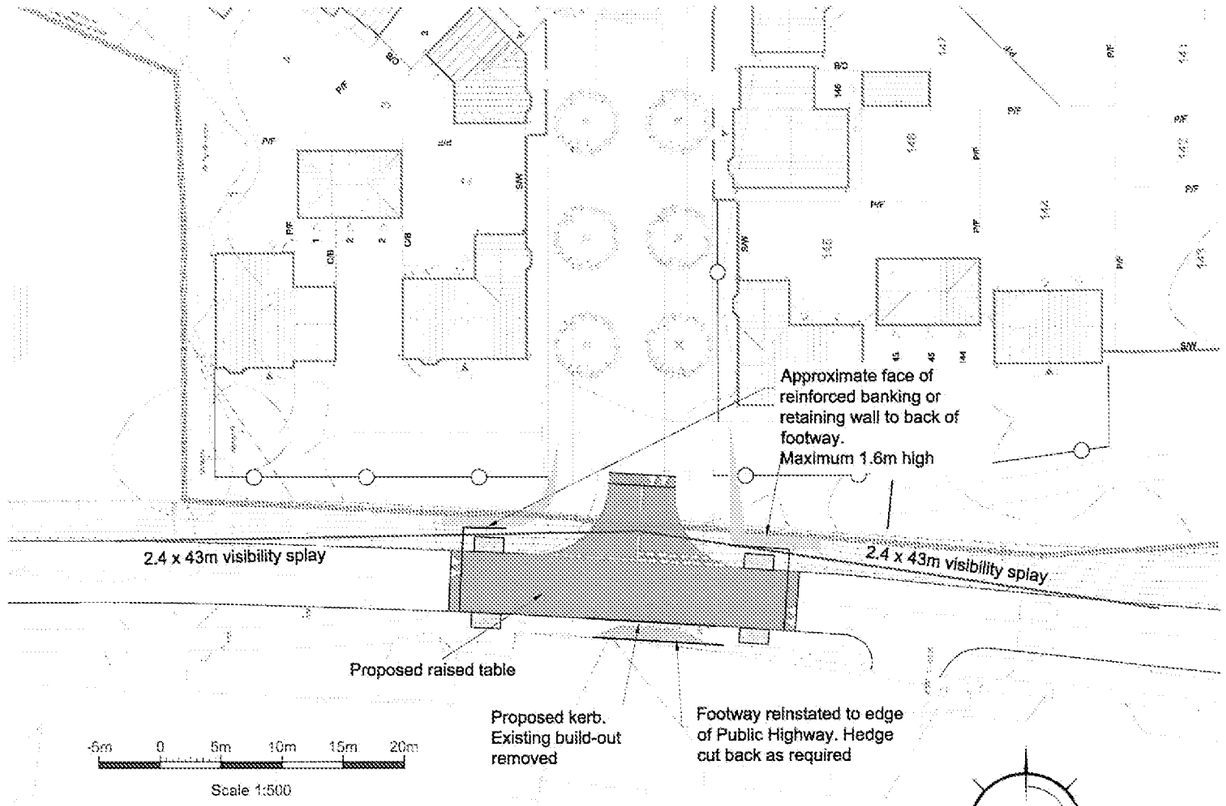

2.1.1
N
3.1.1

Roundstone Lane, Angmering
Designer's Response to Stage 1 Road Safety Audit

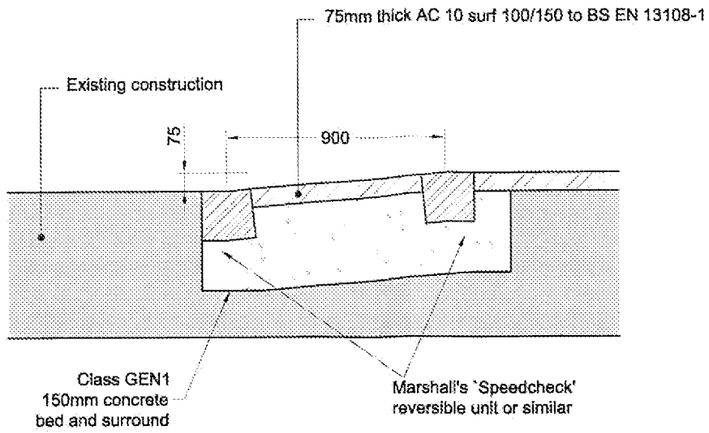
Safety Audit Comment	Recommendation	Designer's Response
2 General		
2.1 Access		
2.1.1 Location: New Access on Roundstone Lane – Location 3 Summary: Presence of build-out opposite proposed access could increase risk of the priority system being violated and potential collisions The proposed access at Location 3 on Roundstone Lane will be directly opposite a build-out which forms part of a priority system. Once the access is constructed there is a risk that drivers will attempt to use the bell-mouth to pass each other and ignore the priority system. This could lead to vehicles conflicting with those approaching the junction on the new access road.	Remove the build-out.	We propose to remove the build-out and construct a raised table in place to form the priority junction as shown on drawing 104A attached.

Safety Audit Comment	Recommendation	Designer's Response
3 Junctions		
3.1 Visibility		
3.1.1 Location: New Access on Roundstone Lane – Location 1 Summary: Visibility to the south is restricted by alignment/buildings increasing the risk of collisions The proposed access is located approximately 25 metres from the junction of Nursery Road. The alignment and the nearby buildings restrict the visibility for drivers emerging from this access which could increase the risk of collisions with vehicles turning into Roundstone Lane from Nursery Road. This problem may be exacerbated by the speeds at which vehicles enter Roundstone Lane which was noted as being high at the time of the site visit.	Move the access further North on Roundstone Lane and ensure sufficient visibility is provided.	This junction will no longer be used to serve the development which has been reduced in scale and no longer requires this access.

NOTES.

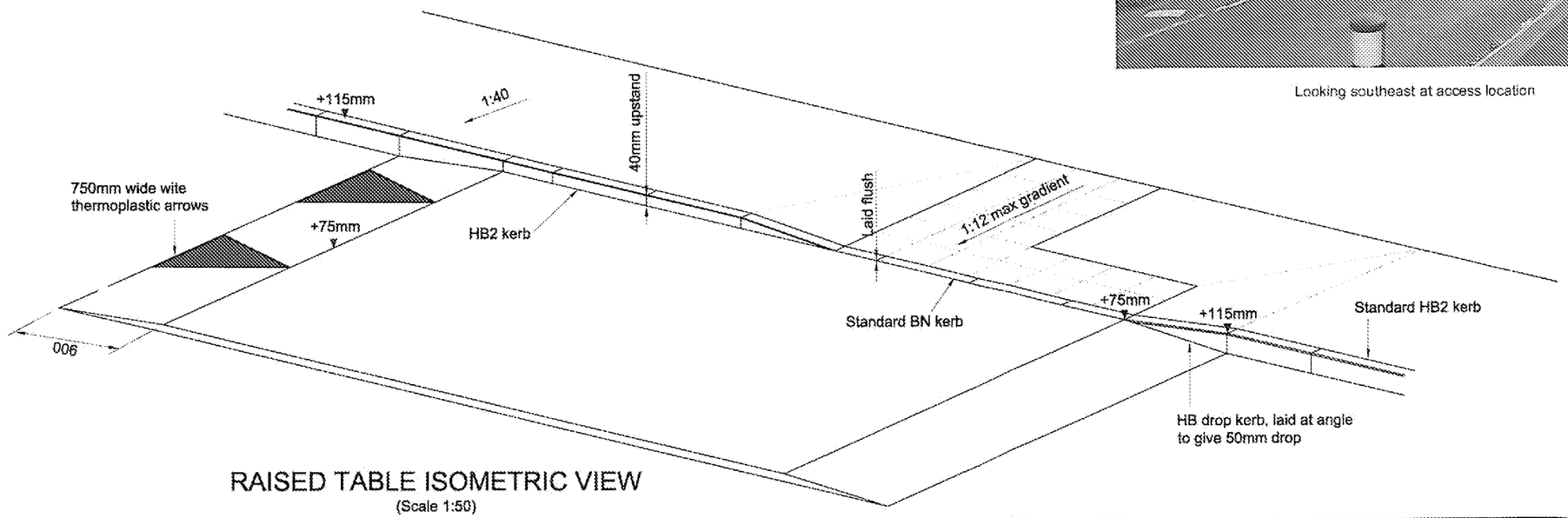


SITE HIGHWAY ACCESS
(Scale 1:500)



TYPICAL RAISED TABLE SLOPE DETAIL
(Scale 1:25)

Looking southeast at access location



RAISED TABLE ISOMETRIC VIEW
(Scale 1:50)

04.05.12 AJD Drawing updated to revised site layout

Issue Status: PRELIMINARY

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the Civil Engineering Practice

Client: Barratt David Wilson Southampton

Project: Roundstone Lane Angmering

Title: Highway Access Plan Proposed Raised Junction

Drawn	Date	Project No.
M Pechoc	Mar 2012	22067
Checked	Checked	Drawing No. / Rev.
A French		104 A

Scale: 1:500 @ A3