

Option Two Development Limited

Courthouse Farm, Copthorne Common Road,
WEST SUSSEX

Project Reference: 1810-17/BN/02

Briefing Note - Design Audit

- 1.1 Reference Document: The Design Manual for Roads and Bridges (DMRB) CD109, CD143, Guidance on the Use of Tactile Paving Surfaces and Traffic Signs Manual Chapter 5.
- 1.2 Drawings:
- 1810-17 PL02A – Proposed Retirement Village Access Arrangement;
 - 1810-17 SP02A – Proposed Access – Swept Path Analysis of a Refuse Vehicle;
 - 1810-17 SP04A – Proposed Access – Swept Path Analysis of a Fire Tender;
 - 1810-17 SP06A – Proposed Access – Swept Path Analysis of a 7.5t Box Van; and
 - 1810-17 SP07 – Swept Path Analysis of a 16.5m Articulated Vehicle.
- 1.3 All drawings can be found in Appendix A of the associated Designers Response (DR01A). For reference PL02A can also be found in **Appendix A** of this Design Audit.
- 1.4 Design Audit table provided overleaf.

Section	Design Guide reference	Summary	Provision	Commentary
CD 109 Section 3	3.4	3.4 states that objects such as trees and lamp columns less than 550mm in width/length would not provide a significant obstruction to visibility	No objects are in line of visibility splay	Accords with guidance
CD109 Section 2	Table 2.10	Table 2.10 dictates visibility splay requirements	2.4m x 160m Visibility Splay and 160m forward visibility to the crossing/island have been provided	Accords with guidance.
CD143 part E/4 Crossings	Table 4.7	Table 4.7 states a minimum depth of 2.0m for pedestrian refuge islands	2m depth refuge island	Accords with guidance
Guidance on the Use of Tactile Paving Surfaces	Figure 10	Figure 10 displays the layout of the blister surface on a pedestrian refuge wider than 2m	Detailed Design – However tactile paving will be placed 150mm back from carriageway and a 800mm depth	Accords with guidance
Traffic Signs Manual Chapter 5	Table 2.7	Table 2.7 demonstrates the tapers needed on the approach to refuges	1 in 45 preferred minimum taper for 85 th percentile speeds of 41-50mph	Accords with guidance

Document Management

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Document Review

	Status	Author	Checker	Approver	Date
-	Issue	WAJ	SMK	SMK	15 05 26

APPENDIX A

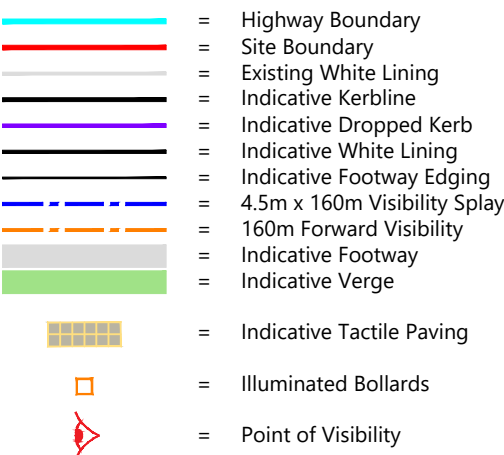
A2
ORIGINAL
PLOT SIZE

SIMPLE PRIORITY JUNCTION ARRANGEMENT

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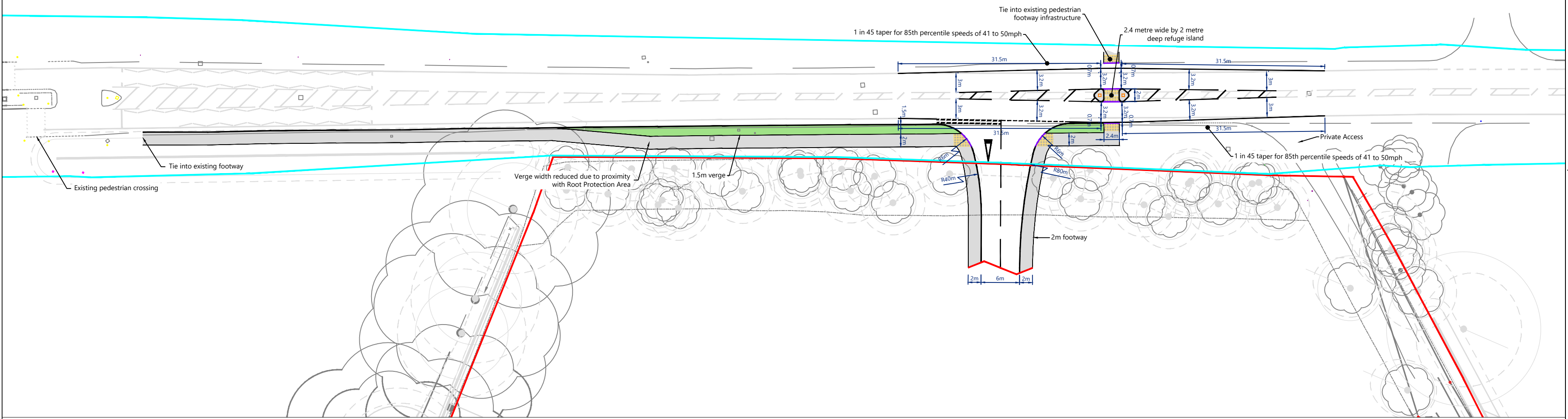
NOTES:

- Based on Topographical Survey;
- Highway Boundary Data based on PDF "Highways search Courthouse Farm Copthorne Common Road Copthorne" dated 17th October 2018;
- Red Line based on OS Red Line Plan dated 14th November 2018;
- Subject to tree survey to determine Root Protection Areas.

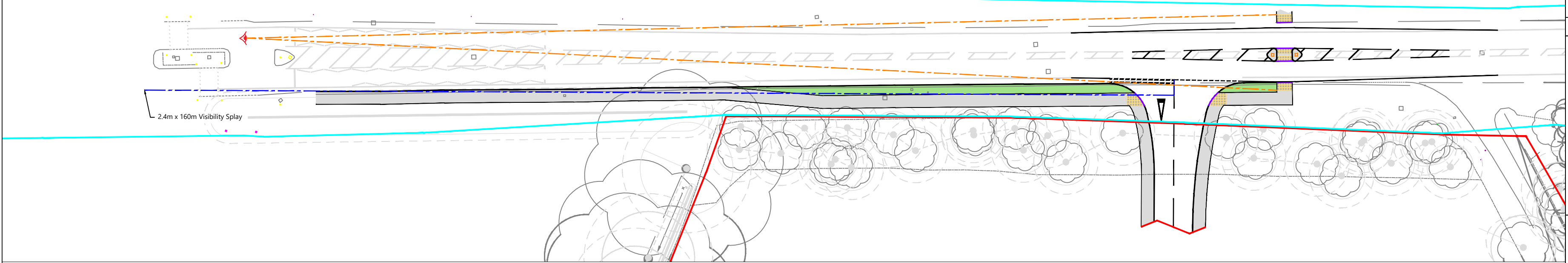


References:

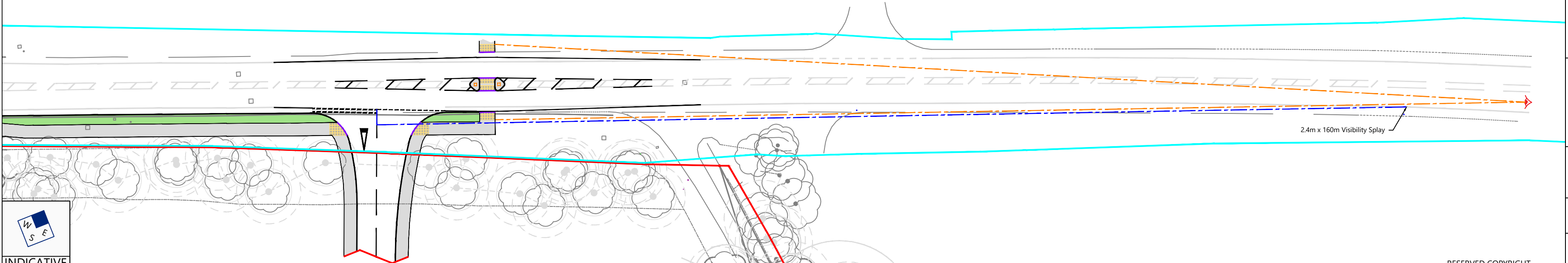
- Visibility splay based on DMRB CD109, Table 2.10;
- Tapers designed to Traffic Signs Manual, Chapter 5, Table 2.7; and
- Site access form based on swept path analysis of a West Sussex RCV.



WESTERN VISIBILITY



EASTERN VISIBILITY



INDICATIVE

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A	11/05/26	Updated to include Refuge Island	WAJ	SMK	SMK
Rev	Date:	Details	Drawn by	Checked by	Approved by

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CLIENT:					
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PROJECT:					
COPTHORNE COMMON ROAD, COPTHORNE, WEST SUSSEX					
TITLE:					
PROPOSED RETIREMENT VILLAGE ACCESS ARRANGEMENT					
STATUS:					
FOR INFORMATION					

SCALE:	DATE:	DRAWN:	CHECKED:	APPROVED:
1:500	09/09/25	LS	SMK	SMK
JOB NO:		DRAWING NO:		REVISION:
1810-17		PL02		A