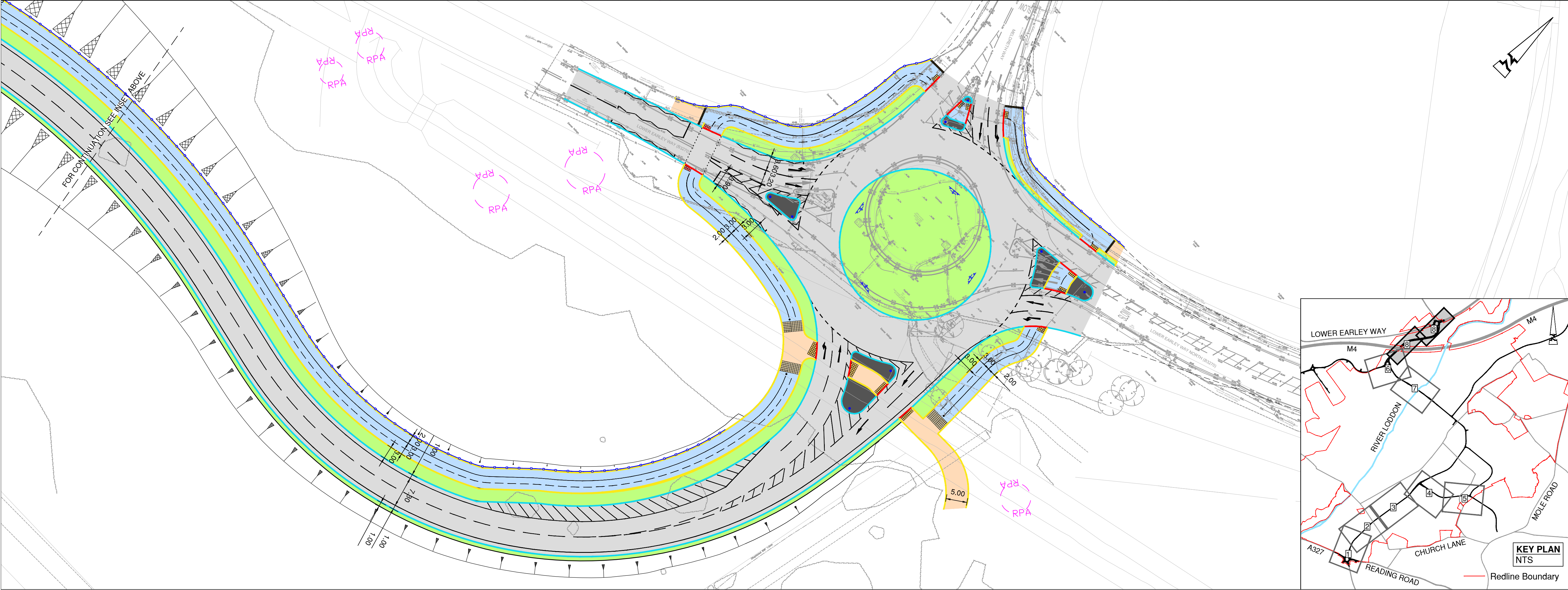
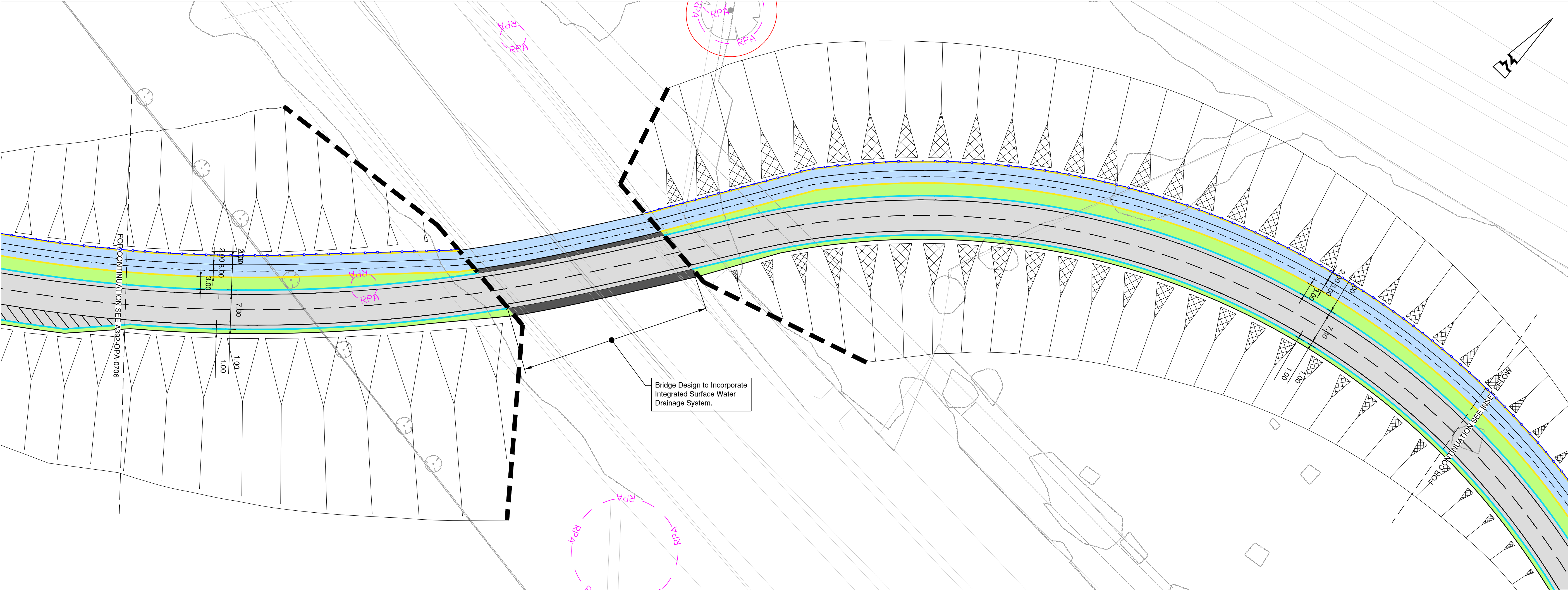




© ABLEY LETCHFORD PARTNERSHIP LTD.
This drawing should not be reproduced without consent.

GENERAL NOTES:

- Do not scale.
- Refer to all other Project Drawings and supporting notes.
- Transition Kerbs to be installed Between all changes in kerb type.**

KEY:

- Uncontrolled Blister Tactile Paving at Dropped Crossing
- Controlled Blister Tactile Paving at Signalised Crossing
- Segregated Footway / Cycleway Corduroy Tactiles
- Proposed Timber Fenceline
- Proposed Asphalt Shared/ Segregated Footway Cycleway
- Proposed Asphalt Shared Footway / Cycleway
- Proposed Asphalt Footway
- Proposed Verge
- Proposed Verge / SuDS Feature
- Proposed Asphalt Carriageway
- Proposed Mown Path
- Proposed Hoggin Path
- Proposed Hard Standing
- Proposed 125mm Upstand Kerb. Appropriate Inlet / Orifice for SuDS Provision to be Introduced Where Necessary.
- Proposed 20mm Upstand Kerb
- Proposed 6mm Upstand Kerb
- Proposed 0mm Upstand Inverted Kerb
- Proposed 0mm Upstand Edging Kerb

Arboricultural Survey - Received by FLAC on 15/05/25:

- RPA Root Protection Area
- VTP Veteran Tree Protection Area

0 5 10 15 20 25m
Scale 1:500

B	07.25	UPDATED TO REFLECT RSA2 COMMENTS AND KEYPLAN REDLINE UPDATED	RG	CS
A	06.25	FIRST ISSUE	JJS	CS
Rev	Date	Description	Drawn	Checked

www.ableyletchford.co.uk

Client: UNIVERSITY OF READING

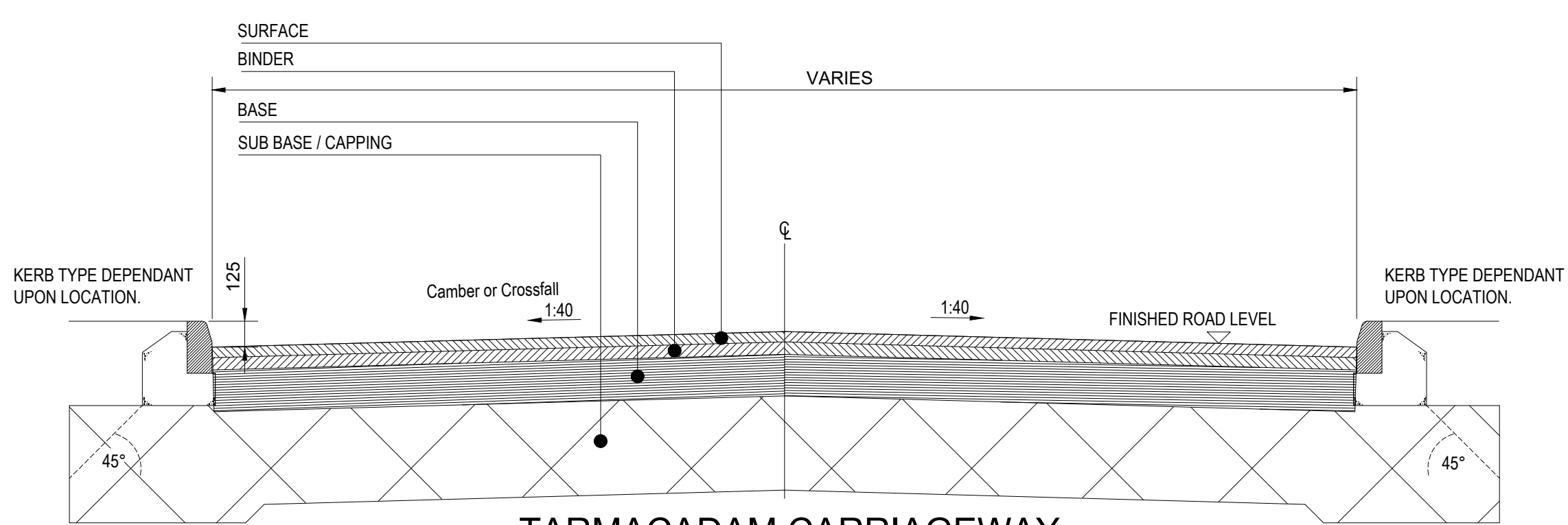
Project: LODDON GARDEN VILLAGE

Title: HIGHWAY MATERIALS PLAN SHEET 8 OF 8

Status:

Scale: 1:500 @ A1	Date: JUNE 2025	Drawn: JJS	Checked: CS
Drawing No: A392-OPA-0708	Revision: B		

KEY PLAN NTS



TARMACADAM CARRIAGEWAY

SEE TABLE FOR CONSTRUCTION DETAILS

SCALE 1:25

SPINE ROAD TARMACADAM CARRIAGEWAY

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	HIGH STONE CONTENT HOT ROLLED ASPHALT (HRA) SURFACE COURSE COMPLYING WITH BS EN 13108-4 TABLE 4. 55/10C HRA SURF, BINDER GRADE 40/60, MINIMUM PSV = 60, MAXIMUM AAV = 12	50mm
BINDER	DENSE BITUMEN MACADAM (DBM) BINDER COURSE COMPLYING WITH BS EN 13108-1. AC20 DENSE BIN, BINDER GRADE 40/60.	60mm
BASE	DENSE BITUMEN MACADAM (DBM) BASE COMPLYING WITH BS EN 13108-1. AC32 DENSE BIN, BINDER GRADE 40/60.	200mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ONSITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	220mm *
CAPPING	CLASS 6F1 OR 6F2 GRANULAR CAPPING MATERIAL TO CLAUSE 613 OF SHW. REQUIREMENT AND THICKNESS DEPENDANT UPON CBR TESTING. ALL TESTS AND DECISIONS ON CAPPING REPLACEMENT ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	330mm *

* THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 4% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER. WHERE CBR VALUES ARE LESS THAN 2.5%, GROUND STABILISATION IS TO BE UNDERTAKEN USING EITHER CEMENT OR LIME IN ACCORDANCE WITH CLAUSES 614 AND 615 OF MCDHW VOLUME 1 SERIES 600. METHOD TO BE AGREED WITH HIGHWAY AUTHORITY/ENGINEER. CBR TESTS TO BE CARRIED OUT BY THE CONTRACTOR ON THE SURFACE OF THE STABILISED MATERIAL WHEN COMPLETE AND REPORTED TO HIGHWAY AUTHORITY/ENGINEER.

ALL THICKNESSES STATED ARE FINISHED COMPACTED THICKNESSES.

FOR FROST SUSCEPTIBLE SOILS MINIMUM CONSTRUCTION DEPTH IS 450MM. ADDITIONAL CAPPING LAYER IS TO BE LAID BELOW THE SUB-BASE TO ACHIEVE THE OVERALL CONSTRUCTION DEPTH OF 450MM.

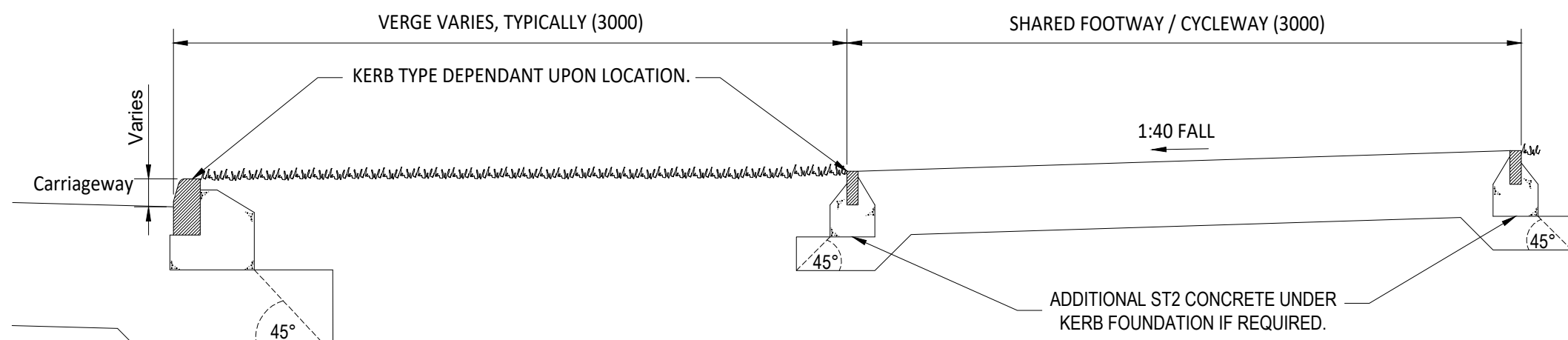
BASE, SUB-BASE AND CAPPING LAYERS SHOULD BE COMPACTED IN ACCORDANCE WITH DTP "SPECIFICATION FOR HIGHWAY WORKS".

ALL FORMATIONS TO BE PROOF ROLLED IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE FORMATION SHALL THEN BE PROTECTED FROM THE WEATHER DURING THIS PERIOD.

TARMACADAM FOOTWAY/CYCLEWAY/DOMESTIC VEHICULAR CROSSING

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	DENSE GRADE ASPHALT CONCRETE SURFACE COURSE COMPLYING WITH BS EN 13108. AC 6 DENSE SUR, BINDER GRADE 100/150 PEN	25mm
BASE	DENSE GRADE ASPHALT CONCRETE BINDER COMPLYING WITH BS EN 13108. AC 20 DENSE BIN, BINDER GRADE 40/60 PEN	90mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. MINIMUM CBR OF 2.5%. THICKNESS DEPENDANT UPON CBR TESTING.	2.5%≤CBR≤4.0% - 320mm CBR>4.0% - 210mm*

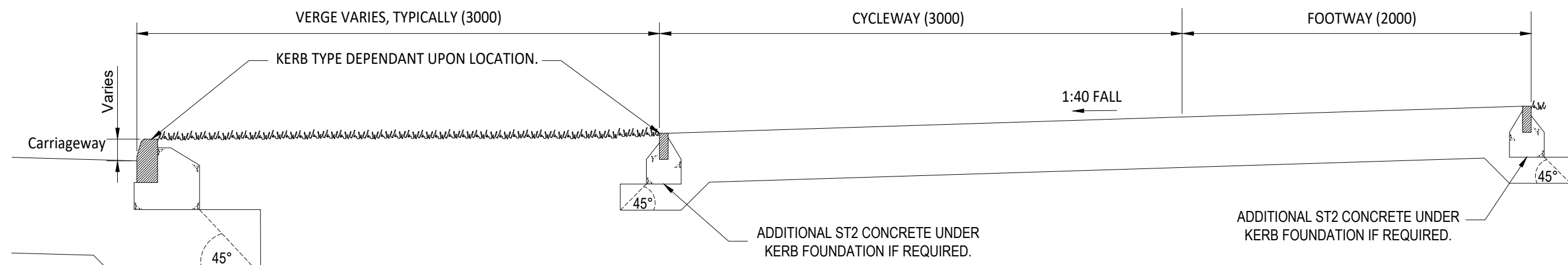
* THE ABOVE DESIGN IS BASED ON TABLE 3.18c OF CD239. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.



ADOPTABLE SHARED FOOTWAY/CYCLEWAY CONSTRUCTION

SEE TABLE FOR CONSTRUCTION DETAILS

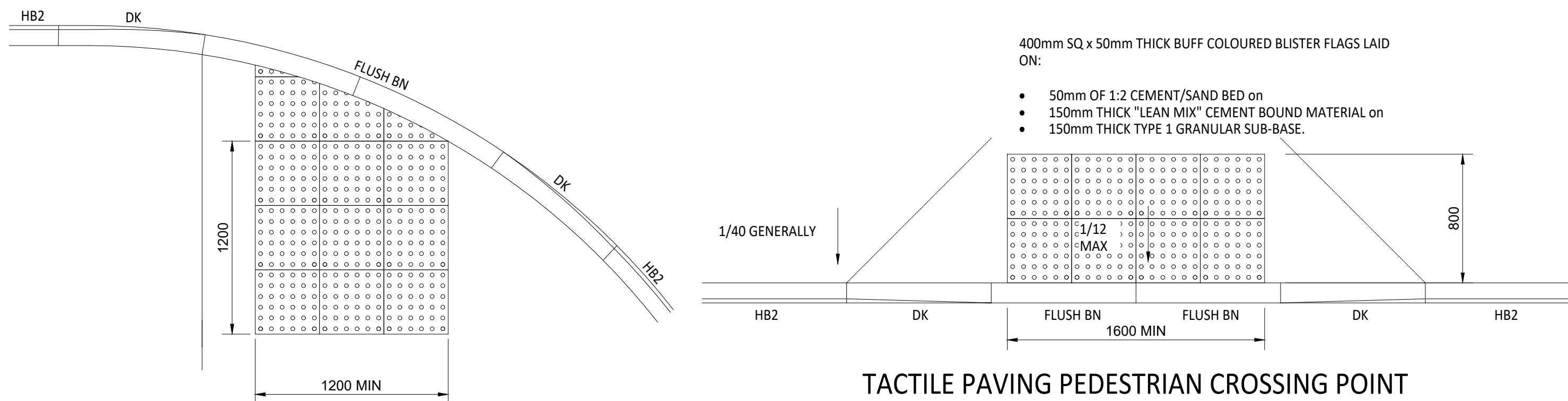
SCALE 1:25



ADOPTABLE SEGREGATED FOOTWAY/CYCLEWAY CONSTRUCTION

SEE TABLE FOR CONSTRUCTION DETAILS

SCALE 1:25



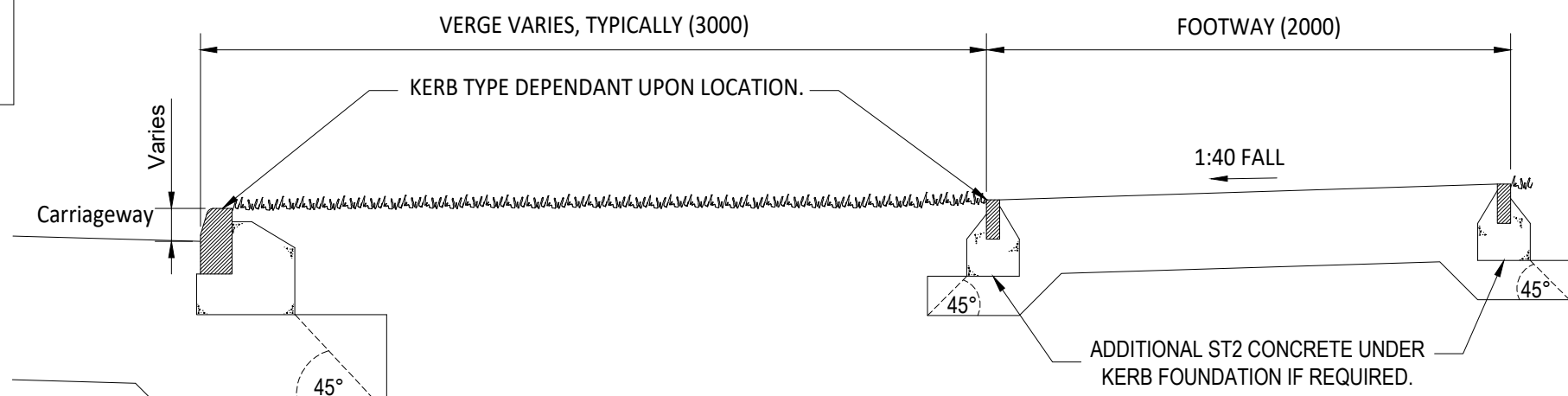
TACTILE PAVING PEDESTRIAN CROSSING POINT AWAY FROM JUNCTIONS

SCALE 1:25

CARRIAGEWAY SUBBASE/CAPPING REQUIREMENTS

CBR (%)	SUBBASE ON CAPPING (mm)		SUBBASE ONLY (mm)
	SUBBASE	CAPPING	
<2.5%	GROUND STABILISATION		GROUND STABILISATION
2.6-2.9	250	420	420
3.0-3.9	230	380	370
4.0-4.9	220	330	320
5.0-5.9	200	250	270
6.0-9.9	180	240	260
10.0-11.9	150	200	220
12.0-14.9	150	180	220
≥ 15.0	150	150	220

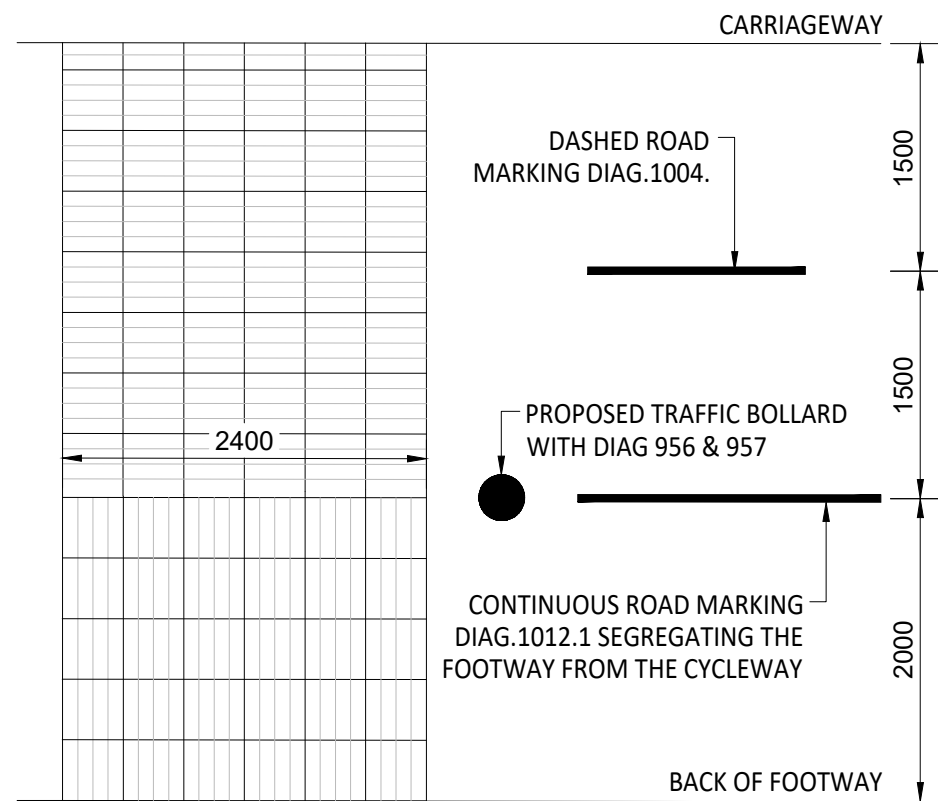
DATA IN TABLE HAS BEEN DERIVED FROM FIGURES 3.18 AND 3.20 OF CD 225 REV 1



ADOPTABLE FOOTWAY CONSTRUCTION

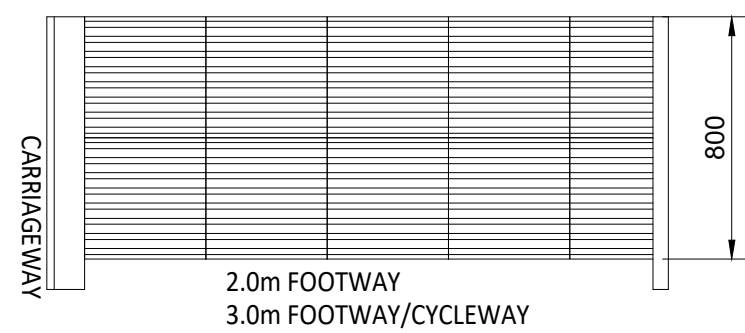
SEE TABLE FOR CONSTRUCTION DETAILS

SCALE 1:25



END OF SEGREGATED SHARED FOOTWAY / CYCLEWAY TACTILE

SCALE 1:50



CORDUROY PAVING

400mm SQ x 50mm THICK BUFF COLOURED BLISTER OR CORDUROY FLAGS LAID ON:

- 50mm OF 1:2 CEMENT/SAND BED on
- 150mm THICK "LEAN MIX" CEMENT BOUND MATERIAL on
- 150mm THICK TYPE 1 GRANULAR SUB-BASE.

SCALE 1:25

© ABLEY LETCHFORD PARTNERSHIP LTD.
This drawing should not be reproduced without consent.

GENERAL NOTES:

- Do not scale.
- Refer to all other Project Drawings and supporting notes.

A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked



Client

UNIVERSITY OF READING

Project

LODDON GARDEN VILLAGE

Title
HIGHWAY CONTRUCTION
DETAILS

Status

Scale
AS SHOWN @ A1

Date
JUN 2025

Drawn
RG

Checked
CS

Drawing No
A392-OPA-0720

Revision
A



Transport Planning | Flood & Water Management | Civil Engineering

Hungerford Office

3 Tealgate, Charnham Park,
Hungerford RG17 0YT

01488 684 390

Reading Office

6th Floor, Reading Bridge House,
George Street, Reading, RG1 8LS

0118 237 1736

www.ableyletchford.co.uk