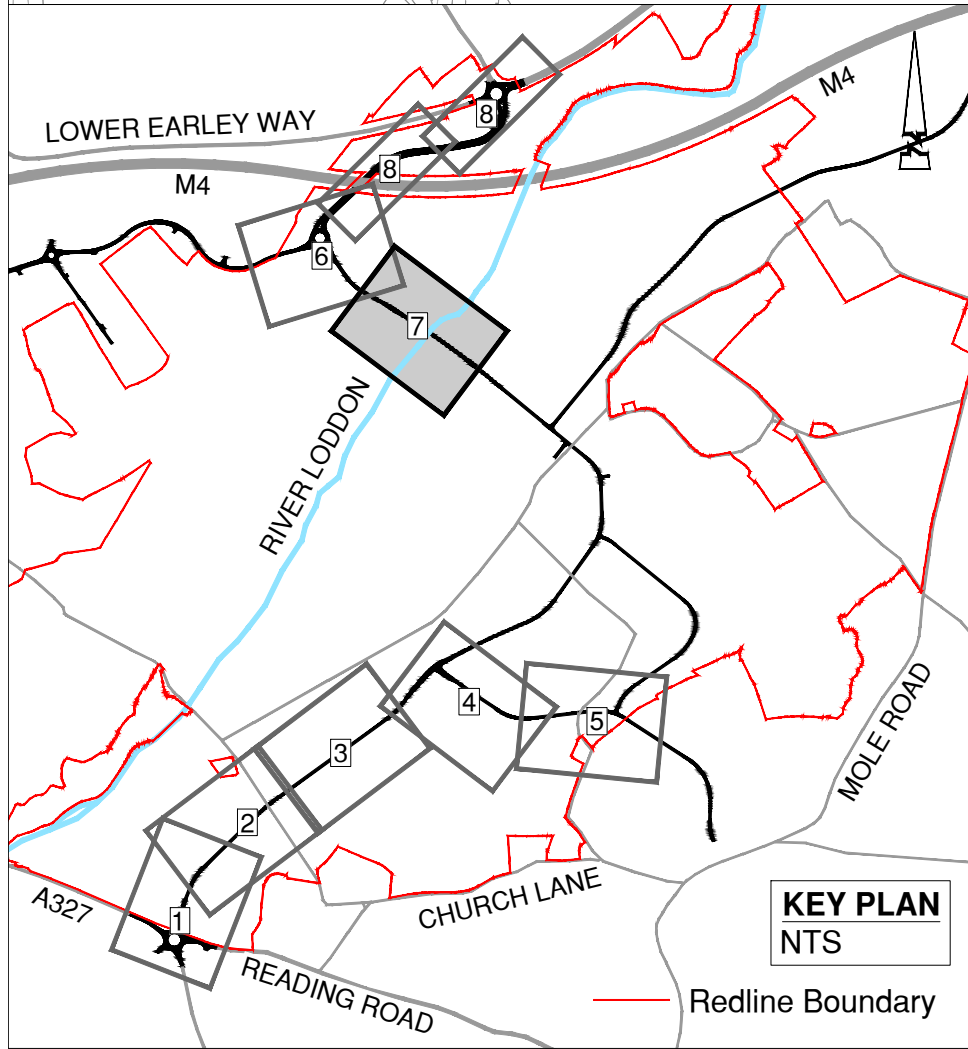
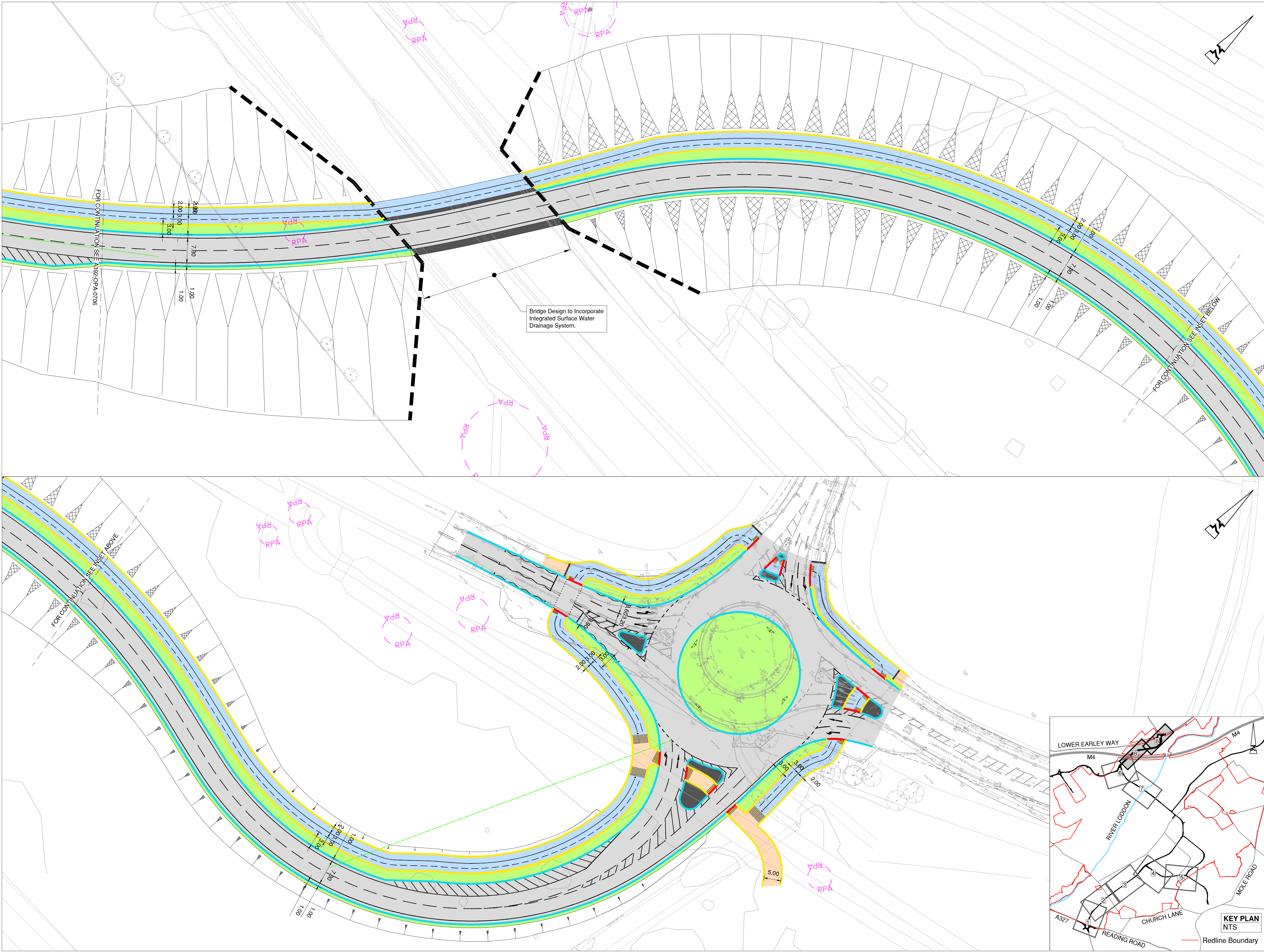




Drawing No 892-OPA-0707	Revision A
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GENERAL NOTES:

- 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 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 Uprand Kerb. Appropriate Inlet / Orifice for SuDS Provision to be Introduced Where Necessary.
- Proposed 20mm Uprand Kerb
- Proposed 6mm Uprand Kerb
- Proposed 0mm Uprand Inverted Kerb
- Proposed 0mm Uprand Edging Kerb

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

- RPA Root Protection Area
- VTB Veteran Tree Protection Area

0 5 10 15 20 25m
Scale 1:500

Rev	Date	Description	Drawn	Checked
A	06.25	FIRST ISSUE	JJS	CS

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Project
LODDON GARDEN VILLAGE

Title
**HIGHWAY MATERIALS PLAN
SHEET 8 OF 8**

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUNE 2025	JJS	CS

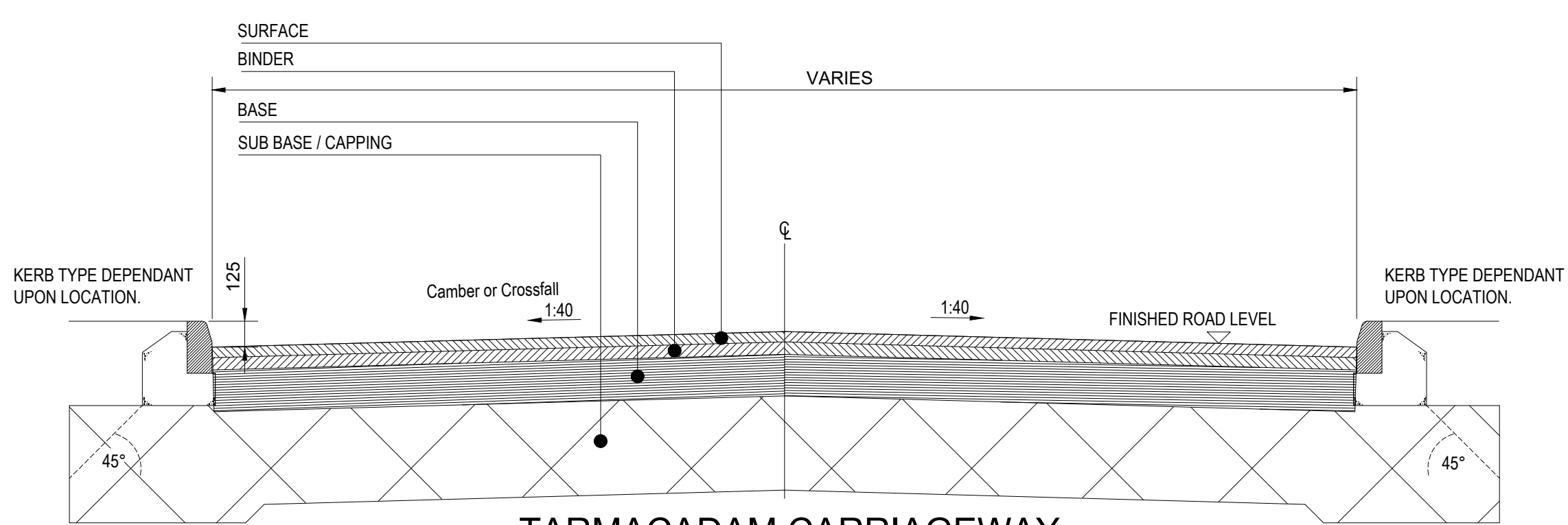
Drawing No
A392-OPA-0708

Revision
A

KEY PLAN
NTS

Redline Boundary

The key plan map shows the project area within the surrounding road network. It includes roads such as Lower Earley Way, Church Lane, Reading Road, and Mole Road. The River Loddon is also shown. The project area is highlighted in red, and the redline boundary is indicated. The map includes a north arrow and a scale bar.



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.

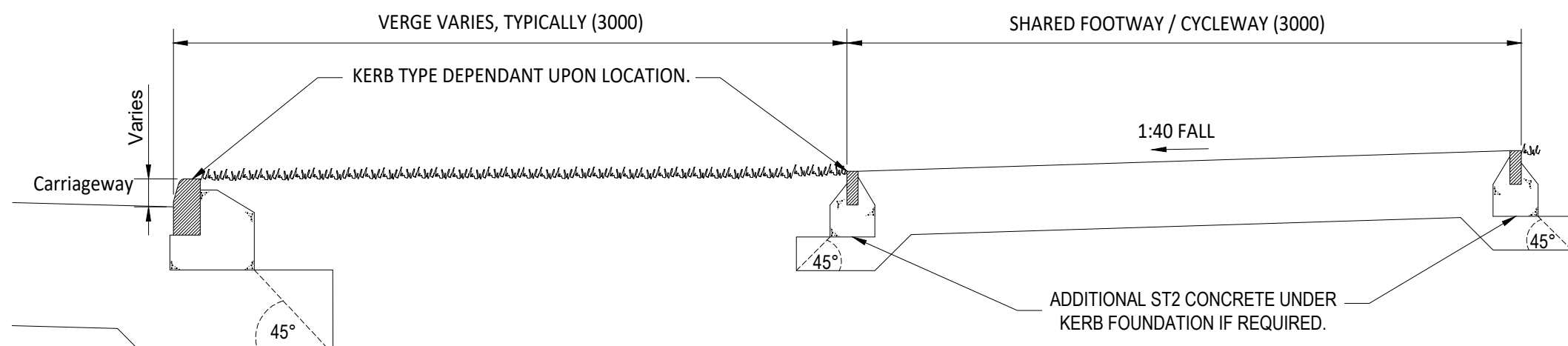
BASE, SUB-BASE AND CAPPING LAYERS SHOULD BE COMPACTED IN ACCORDANCE WITH DTP "SPECIFICATION FOR HIGHWAY WORKS".

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

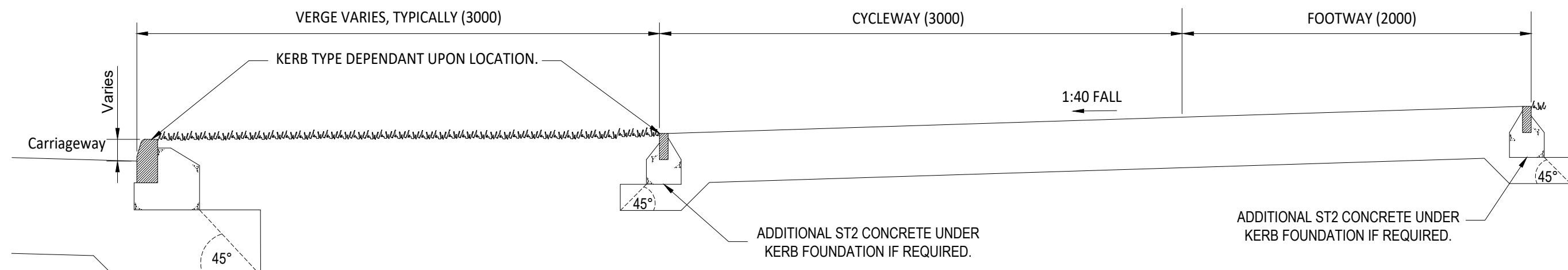
LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	DENSE GRADE ASPHALT CONCRETE SURFACE COURSE COMPLYING WITH BS EN 13108. AC 6 DENSE SUR, BINDER GRADE 100/150 PEN	25mm
BASE	DENSE GRADE ASPHALT CONCRETE BINDER COMPLYING WITH BS EN 13108. AC 20 DENSE BIN, BINDER GRADE 40/60 PEN	90mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL 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.



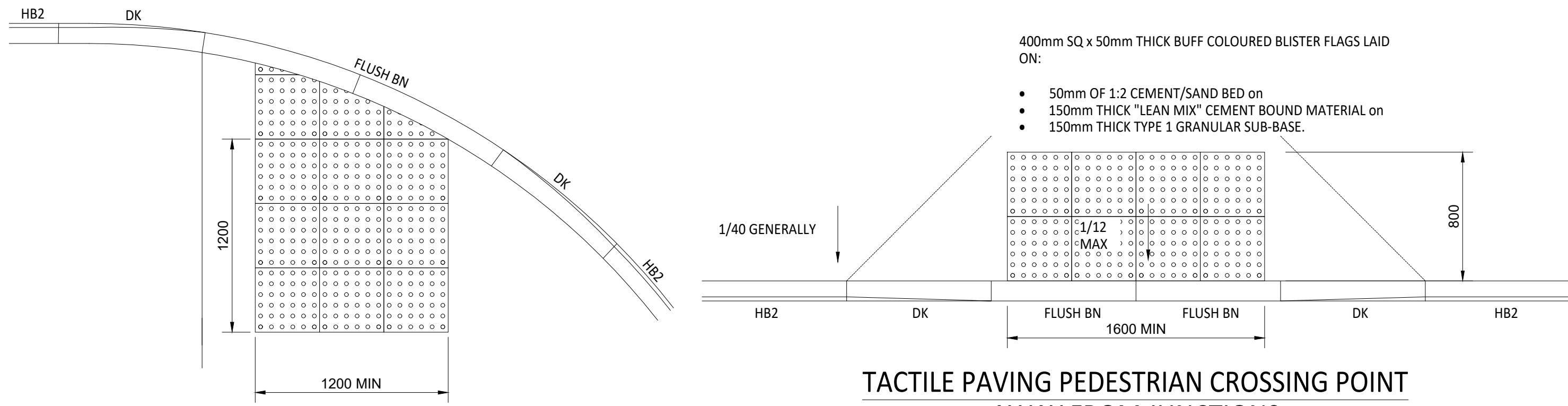
ADOPTABLE SHARED FOOTWAY/CYCLEWAY CONSTRUCTION

SEE TABLE FOR CONSTRUCTION DETAILS
SCALE 1:25



ADOPTABLE SEGREGATED FOOTWAY/CYCLEWAY CONSTRUCTION

SEE TABLE FOR CONSTRUCTION DETAILS
SCALE 1:25



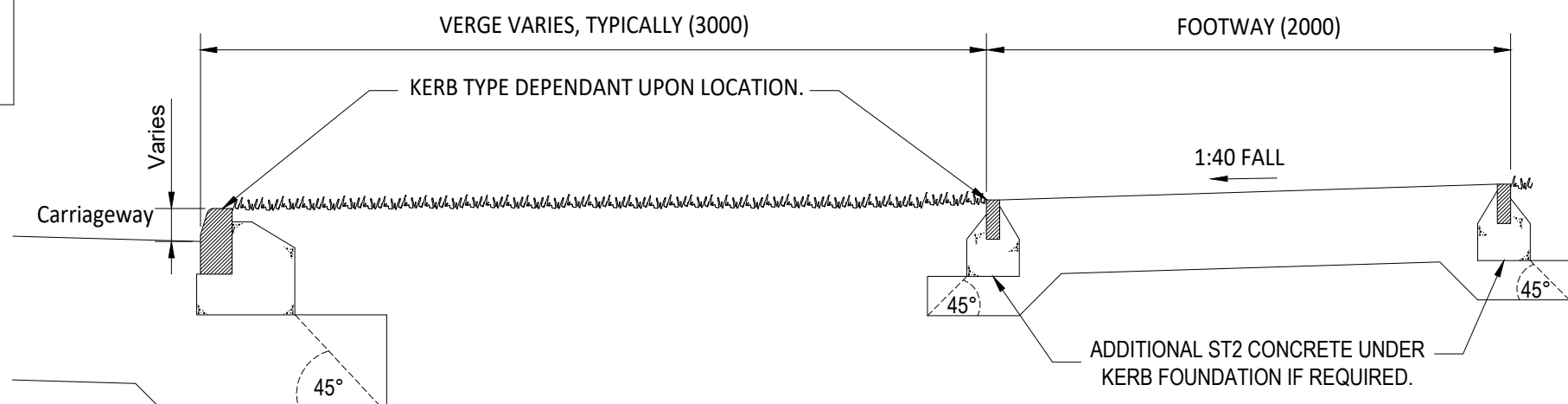
TACTILE PAVING PEDESTRIAN CROSSING POINT AWAY FROM JUNCTIONS

SCALE 1:25

CARRIAGEWAY SUBBASE/CAPPING REQUIREMENTS

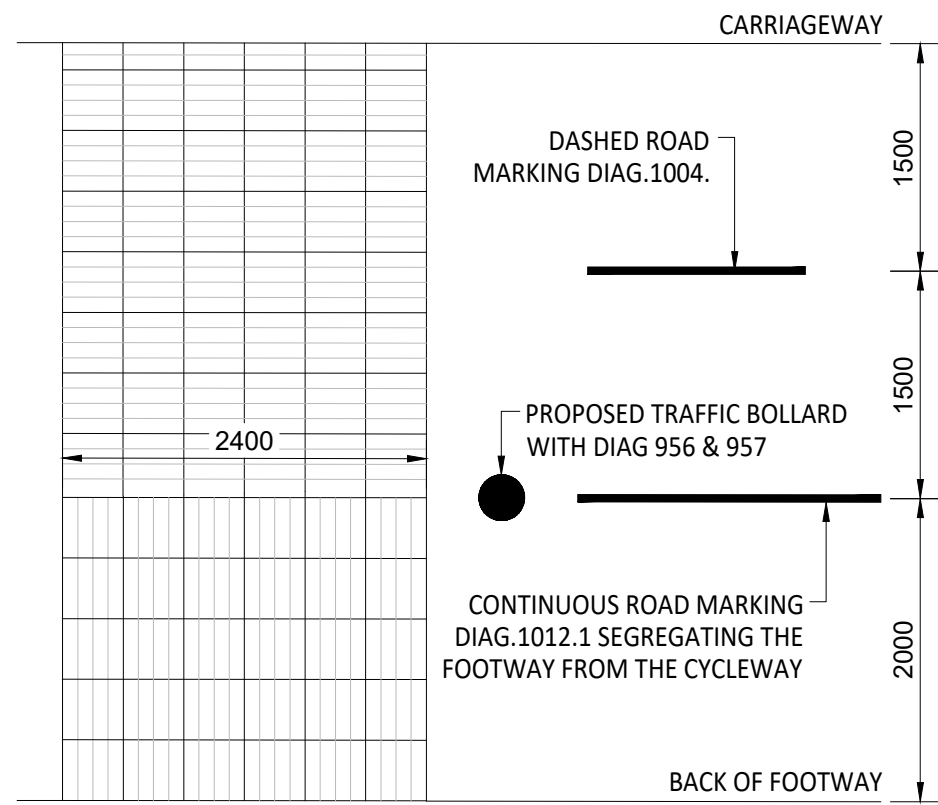
CBR (%)	SUBBASE ON CAPPING (mm)		SUBBASE ONLY (mm)
	SUBBASE	CAPPING	
<2.5%	GROUND STABILISATION		GROUND STABILISATION
2.6-2.9	250	420	420
3.0-3.9	230	380	370
4.0-4.9	220	330	320
5.0-5.9	200	250	270
6.0-9.9	180	240	260
10.0-11.9	150	200	220
12.0-14.9	150	180	220
≥ 15.0	150	150	220

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



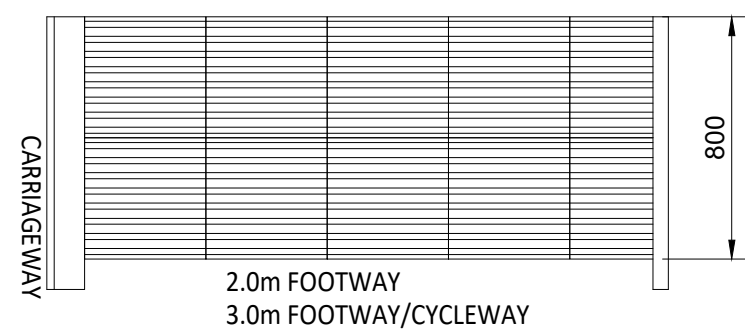
ADOPTABLE FOOTWAY CONSTRUCTION

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

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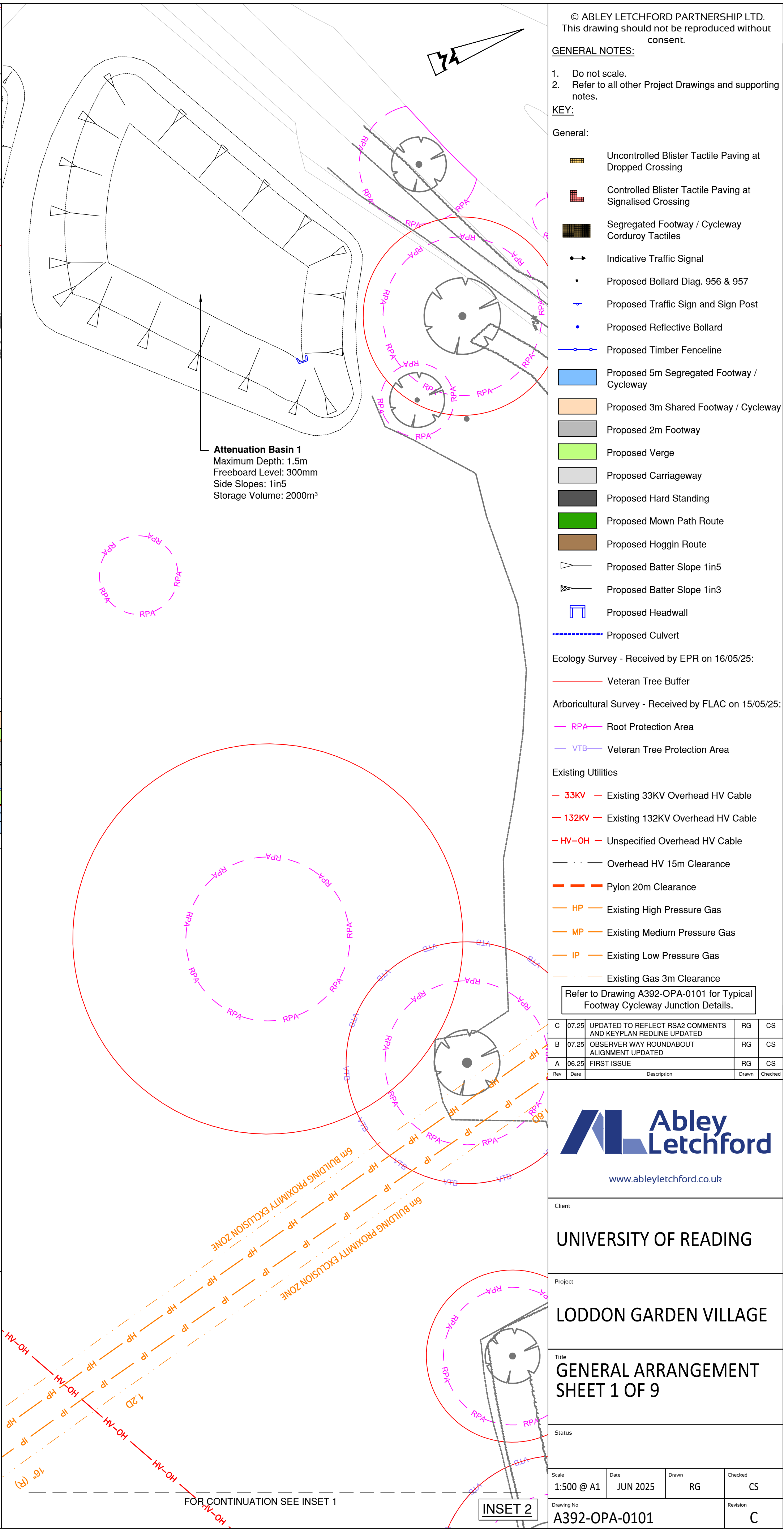
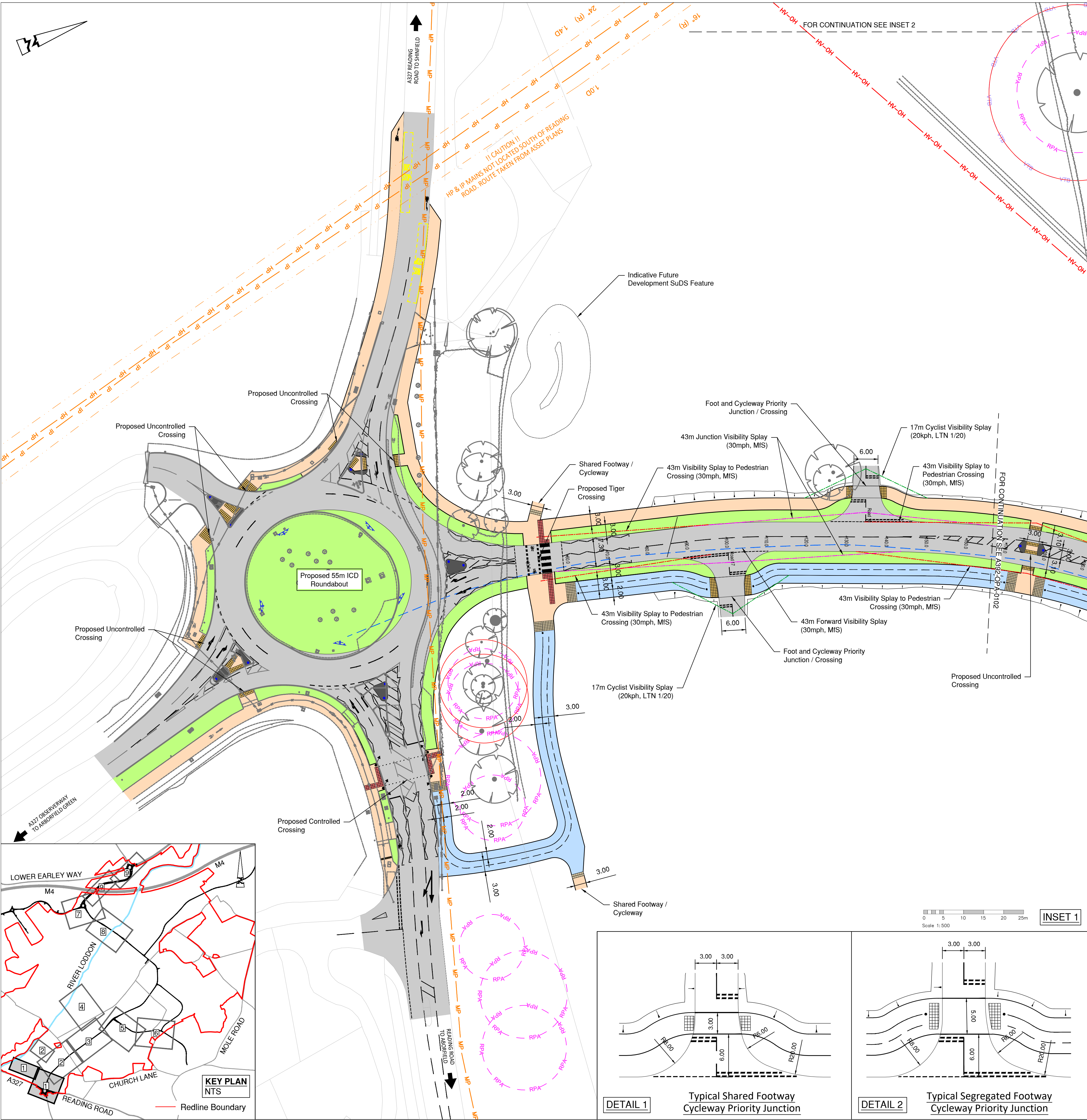
GENERAL NOTES:

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

A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked
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Client				
UNIVERSITY OF READING				
Project				
LODDON GARDEN VILLAGE				
Title				
HIGHWAY CONSTRUCTION DETAILS				
Status				
Scale	Date	Drawn	Checked	
AS SHOWN @ A1	JUN 2025	RG	CS	
Drawing No	A392-OPA-0720			Revision
				A



Appendix 3 - Drawings Incorporating Designers Response



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GENERAL NOTES:

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

KEY:

General:

- Uncontrolled Blister Tactile Paving at Dropped Crossing
- Controlled Blister Tactile Paving at Signalised Crossing
- Segregated Footway / Cycleway Corduroy Tactiles
- Indicative Traffic Signal
- Proposed Bollard Diag. 956 & 957
- Proposed Traffic Sign and Sign Post
- Proposed Reflective Bollard
- Proposed Timber Fenceline
- Proposed 5m Segregated Footway / Cycleway
- Proposed 3m Shared Footway / Cycleway
- Proposed 2m Footway
- Proposed Verge
- Proposed Carriageway
- Proposed Hard Standing
- Proposed Mown Path Route
- Proposed Hoggin Route
- Proposed Batter Slope 1in5
- Proposed Batter Slope 1in3
- Proposed Headwall
- Proposed Culvert

Ecology Survey - Received by EPR on 16/05/25:

Veteran Tree Buffer

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

- RPA Root Protection Area
- VTB Veteran Tree Protection Area

Existing Utilities

- 33KV Existing 33KV Overhead HV Cable
- 132KV Existing 132KV Overhead HV Cable
- HV-OH Unspecified Overhead HV Cable
- Overhead HV 15m Clearance
- Pylon 20m Clearance
- HP Existing High Pressure Gas
- MP Existing Medium Pressure Gas
- IP Existing Low Pressure Gas
- Existing Gas 3m Clearance

Refer to Drawing A392-OPA-0101 for Typical Footway Cycleway Junction Details.

C	07.25	UPDATED TO REFLECT RS&Q COMMENTS AND KEYPLAN REDLINE UPDATED	RG	CS
B	07.25	OBSERVER WAY ROUNDABOUT ALIGNMENT UPDATED	RG	CS
A	06.25	FIRST ISSUE	RG	CS
Rev	Date	Description	Drawn	Checked



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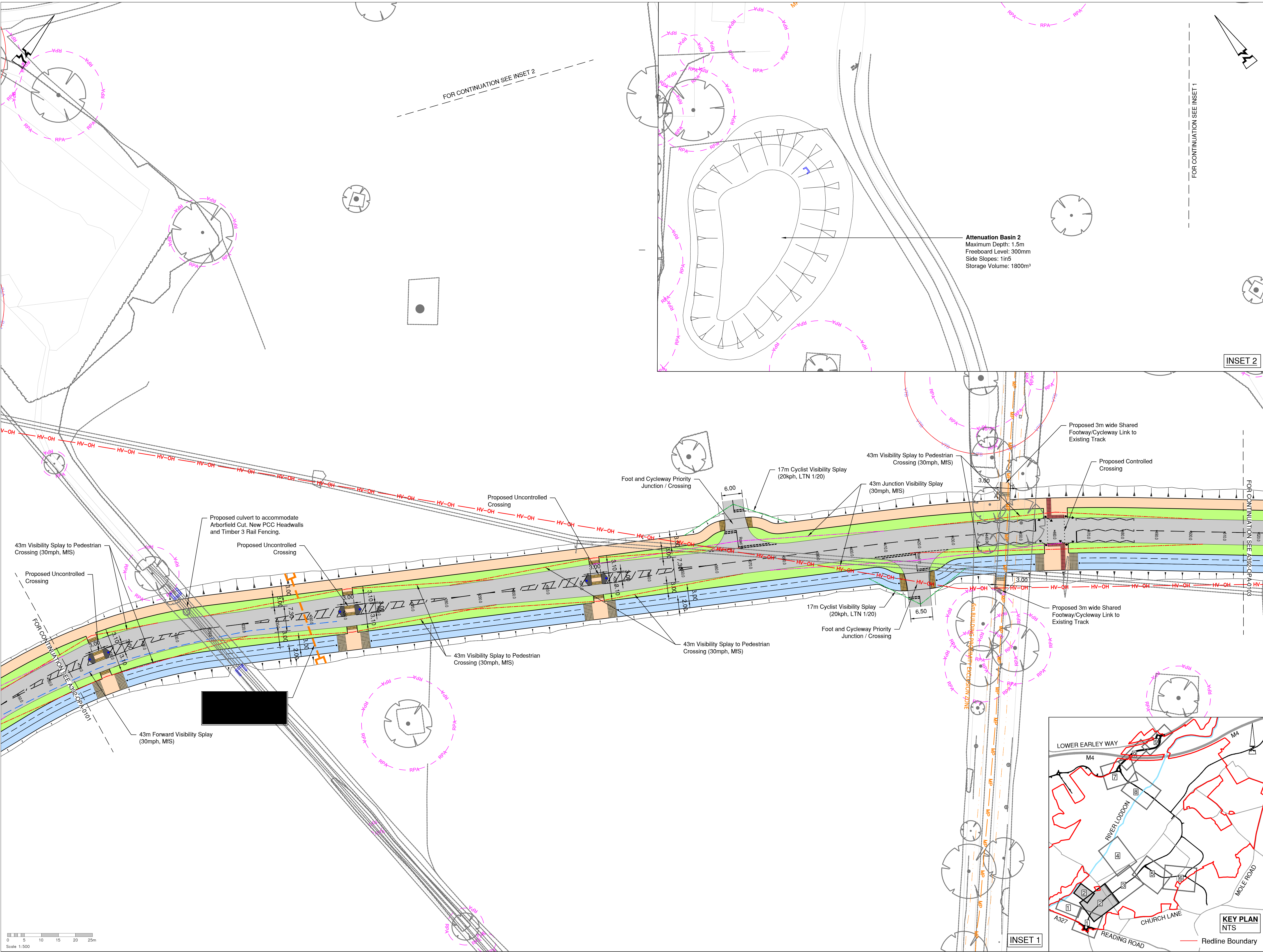
Client
UNIVERSITY OF READING

Project
LODDON GARDEN VILLAGE

Title
GENERAL ARRANGEMENT SHEET 1 OF 9

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS
Drawing No.	Revision		
A392-OPA-0101	C		



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GENERAL NOTES:

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

KEY:

General:

- Uncontrolled Blister Tactile Paving at Dropped Crossing
- Controlled Blister Tactile Paving at Signalised Crossing
- Segregated Footway / Cycleway Corduroy Tactiles
- Indicative Traffic Signal
- Proposed Bollard Diag. 956 & 957
- Proposed Traffic Sign and Sign Post
- Proposed Reflective Bollard
- Proposed Timber Fenceline
- Proposed 5m Segregated Footway / Cycleway
- Proposed 3m Shared Footway / Cycleway
- Proposed 2m Footway
- Proposed Verge
- Proposed Carriageway
- Proposed Hard Standing
- Proposed Mown Path Route
- Proposed Hoggin Route
- Proposed Batter Slope 1in5
- Proposed Batter Slope 1in3
- Proposed Headwall
- Proposed Culvert

Ecology Survey - Received by EPR on 16/05/25:

- Veteran Tree Buffer

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

- RPA Root Protection Area
- VTB Veteran Tree Protection Area

Existing Utilities

- 33KV Existing 33KV Overhead HV Cable
- 132KV Existing 132KV Overhead HV Cable
- HV- OH Unspecified Overhead HV Cable
- Overhead HV 15m Clearance
- Pylon 20m Clearance
- HP Existing High Pressure Gas
- MP Existing Medium Pressure Gas
- IP Existing Low Pressure Gas
- Existing Gas 3m Clearance

Refer to Drawing A392-OPA-0101 for Typical Footway Cycleway Junction Details.

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

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LODDON GARDEN VILLAGE

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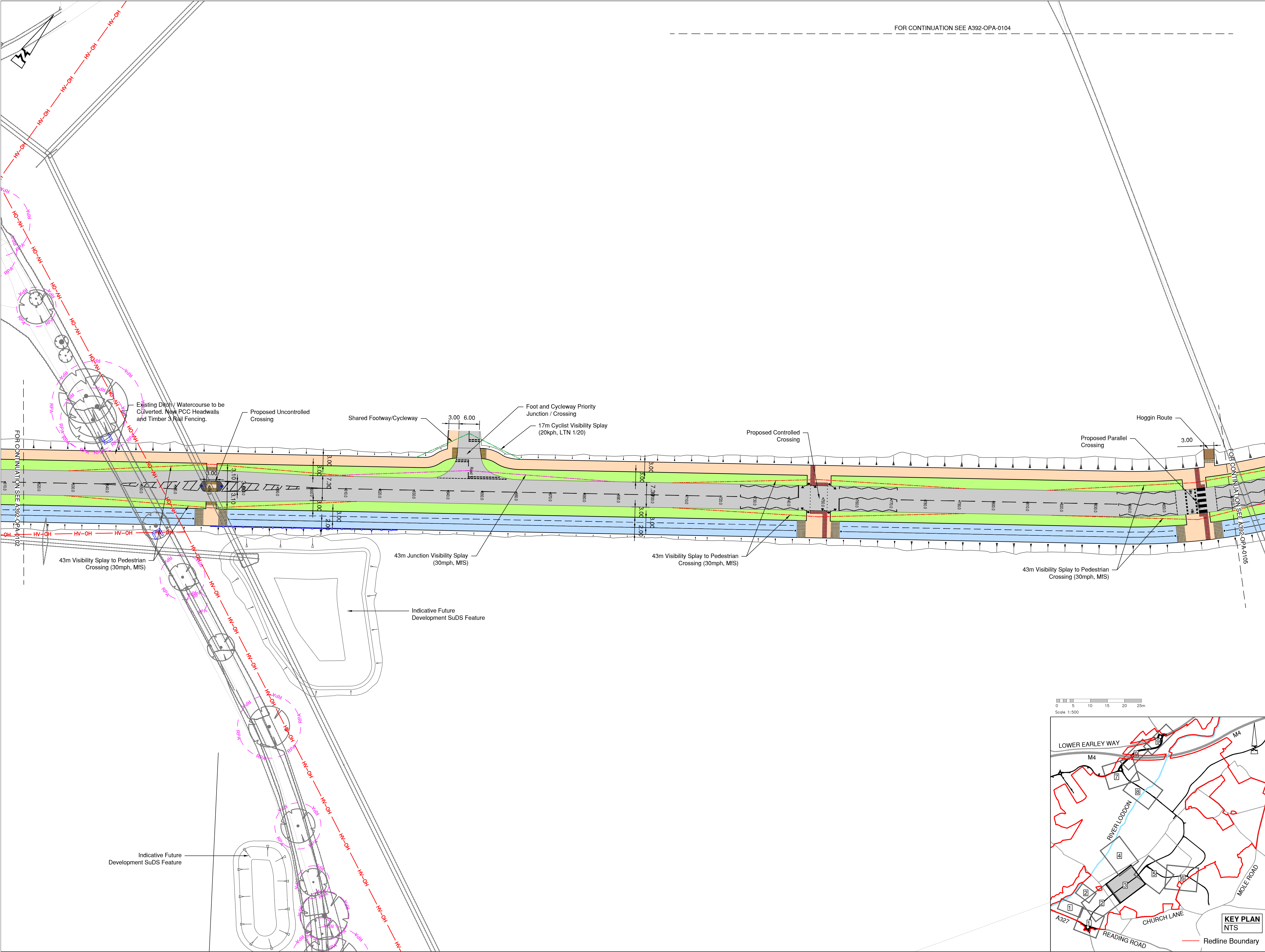
GENERAL ARRANGEMENT
SHEET 2 OF 9

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS

Drawing No.	Revision
A392-OPA-0102	B

KEY PLAN
NTS



FOR CONTINUATION SEE A392-OPA-0104

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GENERAL NOTES:

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KEY:

General:

- Uncontrolled Blister Tactile Paving at Dropped Crossing
- Controlled Blister Tactile Paving at Signalised Crossing
- Segregated Footway / Cycleway Corduroy Tactiles
- Indicative Traffic Signal
- Proposed Bollard Diag. 956 & 957
- Proposed Traffic Sign and Sign Post
- Proposed Reflective Bollard
- Proposed Timber Fenceline
- Proposed 5m Segregated Footway / Cycleway
- Proposed 3m Shared Footway / Cycleway
- Proposed 2m Footway
- Proposed Verge
- Proposed Carriageway
- Proposed Hard Standing
- Proposed Mown Path Route
- Proposed Hoggin Route
- Proposed Batter Slope 1in5
- Proposed Batter Slope 1in3
- Proposed Headwall
- Proposed Culvert

Ecology Survey - Received by EPR on 16/05/25:

- Veteran Tree Buffer

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

- Root Protection Area
- Veteran Tree Protection Area

Existing Utilities

- 33KV - Existing 33KV Overhead HV Cable
- 132KV - Existing 132KV Overhead HV Cable
- HV-OH - Unspecified Overhead HV Cable
- Overhead HV 15m Clearance
- Pylon 20m Clearance
- HP - Existing High Pressure Gas
- MP - Existing Medium Pressure Gas
- IP - Existing Low Pressure Gas
- Existing Gas 3m Clearance

Refer to Drawing A392-OPA-0101 for Typical Footway Cycleway Junction Details.

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

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Project: LODDON GARDEN VILLAGE

Title: GENERAL ARRANGEMENT SHEET 3 OF 9

Status:

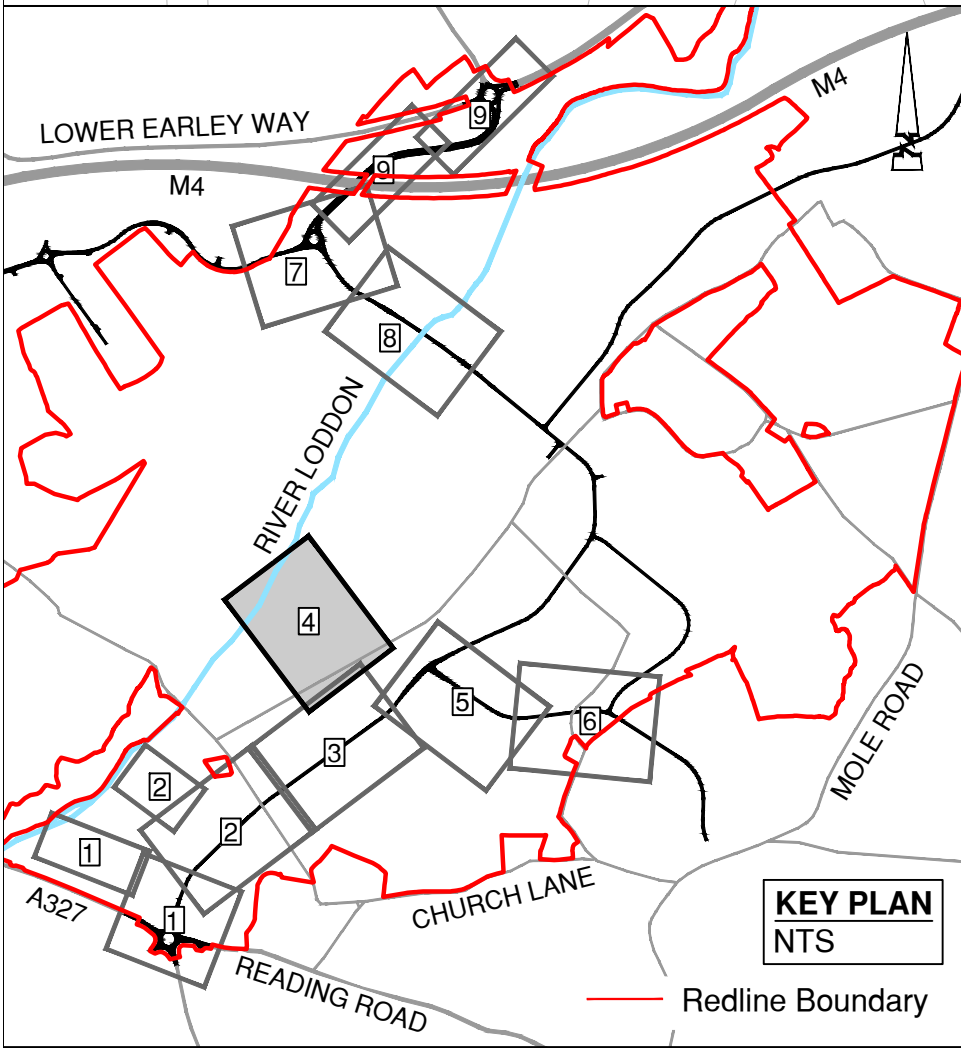
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1:500 @ A1	JUN 2025	RG	CS

Drawing No: A392-OPA-0103

Revision: B

KEY PLAN NTS

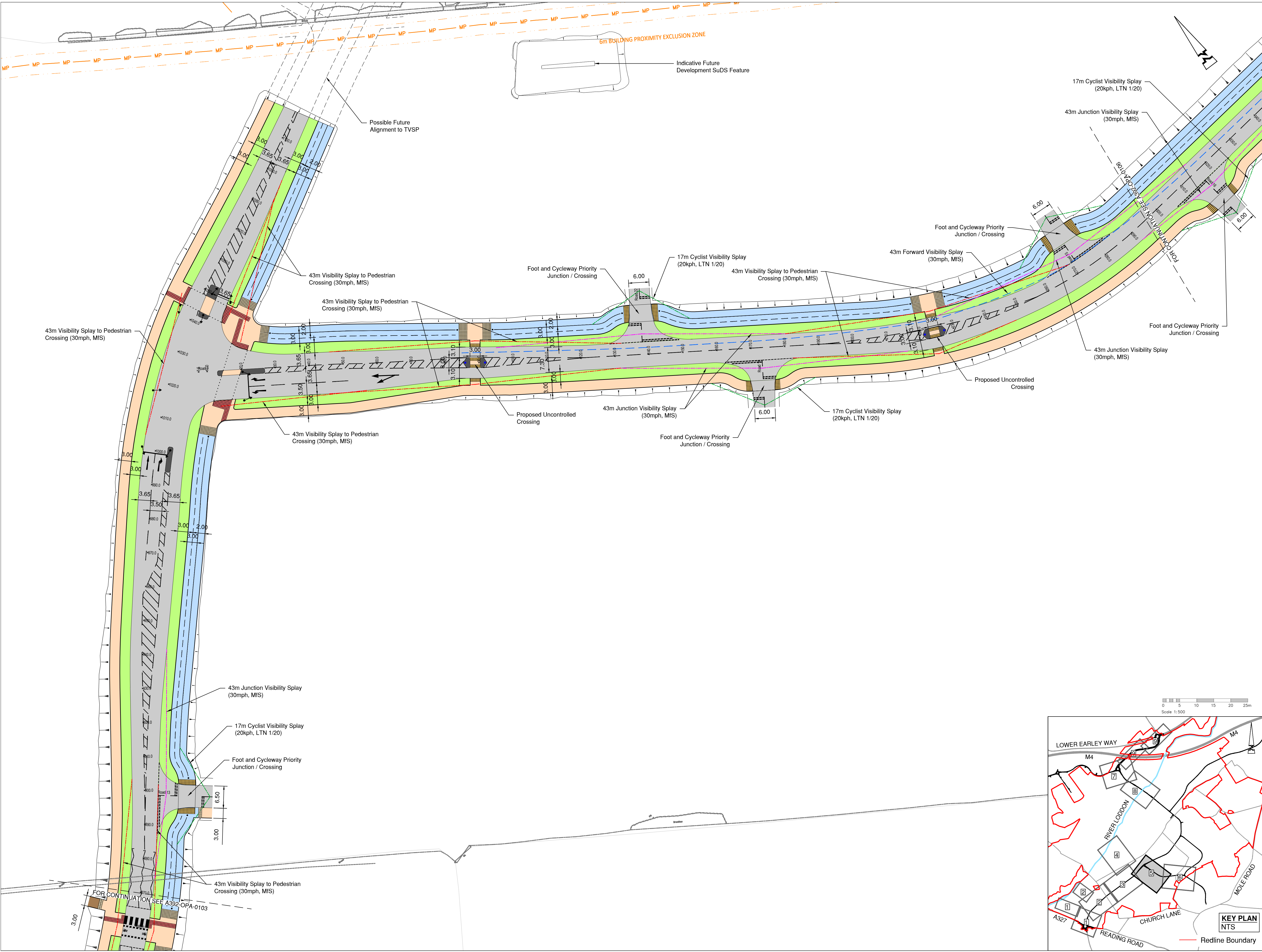
Redline Boundary



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GENERAL NOTES:
1. Do not scale.
2. Refer to all other Project Drawings and supporting notes.

KEY:
General:
Uncontrolled Blister Tactile Paving at Dropped Crossing
Controlled Blister Tactile Paving at Signalised Crossing
Segregated Footway / Cycleway Corduroy Tactiles
Indicative Traffic Signal
Proposed Bollard Diag. 956 & 957
Proposed Traffic Sign and Sign Post
Proposed Reflective Bollard
Proposed Timber Fenceline
Proposed 5m Segregated Footway / Cycleway
Proposed 3m Shared Footway / Cycleway
Proposed 2m Footway
Proposed Verge
Proposed Carriageway
Proposed Hard Standing
Proposed Mown Path Route
Proposed Hoggin Route
Proposed Batter Slope 1in5
Proposed Batter Slope 1in3
Proposed Headwall
Proposed Culvert
Ecology Survey - Received by EPR on 16/05/25:
Veteran Tree Buffer
Arboricultural Survey - Received by FLAC on 15/05/25:
RPA Root Protection Area
VTB Veteran Tree Protection Area
Existing Utilities
33KV Existing 33KV Overhead HV Cable
132KV Existing 132KV Overhead HV Cable
HV-OH Unspecified Overhead HV Cable
Overhead HV 15m Clearance
Pylon 20m Clearance
HP Existing High Pressure Gas
MP Existing Medium Pressure Gas
IP Existing Low Pressure Gas
Existing Gas 3m Clearance
Refer to Drawing A392-OPA-0101 for Typical Footway Cycleway Junction Details.
Scale 1:500
B 07.25 KEYPLAN REDLINE UPDATED RG CS
A 06.25 FIRST ISSUE RG CS
Rev Date Description Drawn Checked
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Title
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SHEET 4 OF 9
Status
Scale 1:500 @ A1 Date JUN 2025 Drawn RG Checked CS
Drawing No. A392-OPA-0104 Revision B



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GENERAL NOTES:

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KEY:

General:

- Uncontrolled Blister Tactile Paving at Dropped Crossing
- Controlled Blister Tactile Paving at Signalised Crossing
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- Proposed Hoggin Route
- Proposed Batter Slope 1in5
- Proposed Batter Slope 1in3
- Proposed Headwall
- Proposed Culvert

Ecology Survey - Received by EPR on 16/05/25:
Veteran Tree Buffer

Arboricultural Survey - Received by FLAC on 15/05/25:
RPA Root Protection Area
VTB Veteran Tree Protection Area

Existing Utilities

- 33KV Existing 33KV Overhead HV Cable
- 132KV Existing 132KV Overhead HV Cable
- HV-OH Unspecified Overhead HV Cable
- Overhead HV 15m Clearance
- Pylon 20m Clearance
- HP Existing High Pressure Gas
- MP Existing Medium Pressure Gas
- IP Existing Low Pressure Gas
- Existing Gas 3m Clearance

Refer to Drawing A392-OPA-0101 for Typical Footway Cycleway Junction Details.

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

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Title

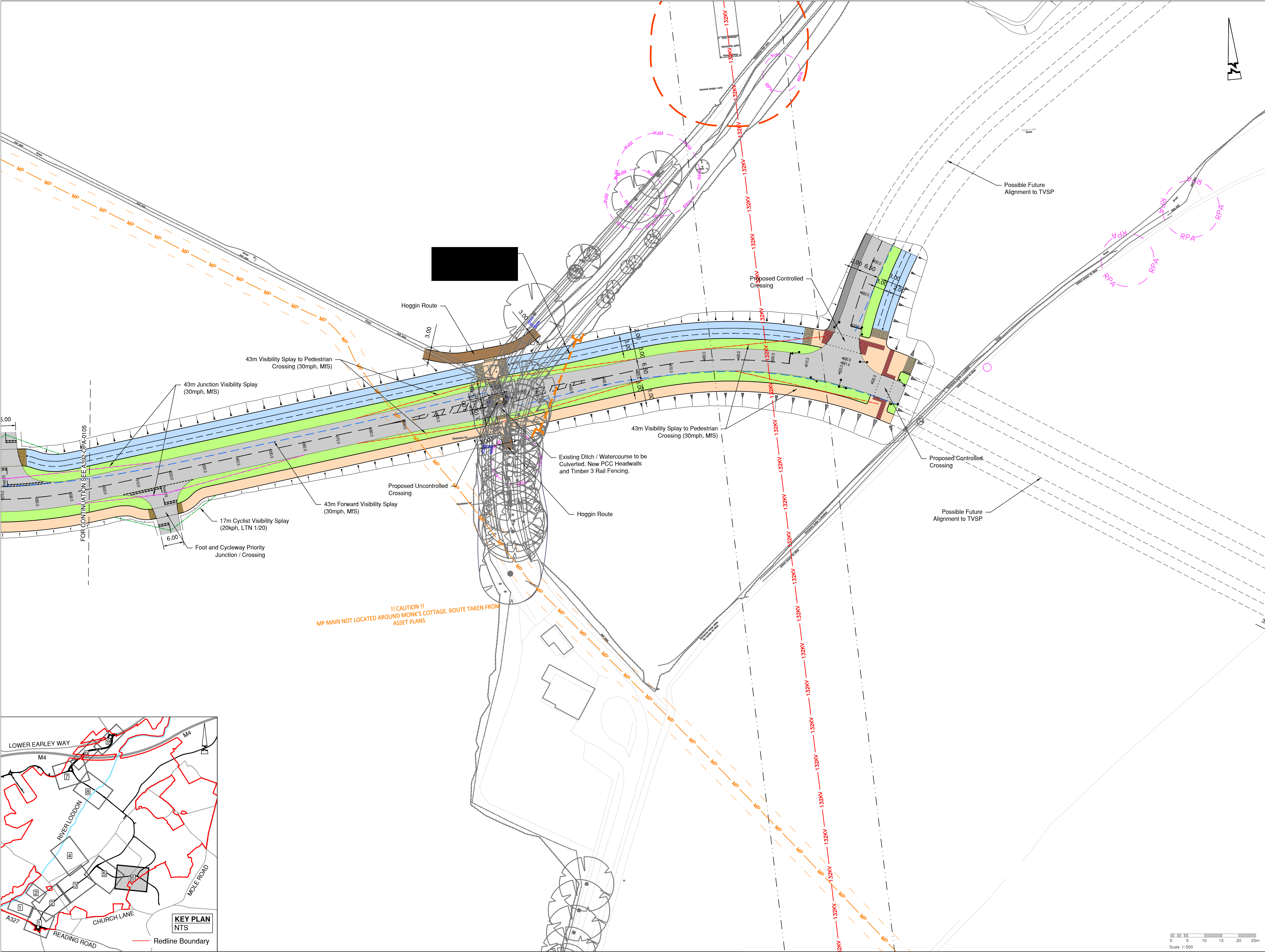
GENERAL ARRANGEMENT SHEET 5 OF 9

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS

Drawing No	Revision
A392-OPA-0105	B

KEY PLAN NTS



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GENERAL NOTES:

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KEY:

General:

- Uncontrolled Blister Tactile Paving at Dropped Crossing
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- Proposed Batter Slope 1in3
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- Proposed Culvert

Ecology Survey - Received by EPR on 16/05/25:

- Veteran Tree Buffer

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

- RPA Root Protection Area
- VTB Veteran Tree Protection Area

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- 132KV Existing 132KV Overhead HV Cable
- HV-OH Unspecified Overhead HV Cable
- Overhead HV 15m Clearance
- Pylon 20m Clearance
- HP Existing High Pressure Gas
- MP Existing Medium Pressure Gas
- IP Existing Low Pressure Gas
- Existing Gas 3m Clearance

Refer to Drawing A392-OPA-0101 for Typical Footway Cycleway Junction Details.

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

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LODDON GARDEN VILLAGE

Title

GENERAL ARRANGEMENT
SHEET 6 OF 9

Status

Scale	Date	Drawn	Checked
1:500 @ A1	JUN 2025	RG	CS

Drawing No.	Revision
A392-OPA-0106	B

