

Lower Thames Crossing 9.59 Enhanced Cross Sections (Part 1 of 2)

Infrastructure Planning (Examination
Procedure) Rules 2010

Volume 9

DATE: August 2023
DEADLINE: 2

Planning Inspectorate Scheme Ref: TR010032
Examination Document Ref: TR010032/EXAM/9.59

VERSION: 1.0

Lower Thames Crossing

9.59 Enhanced Cross Sections (Part 1 of 2)

List of contents

	Page number
1 Introduction	1
2 Schedule of plans in this document	2

List of figures

M2/A2/A122 LTC JUNCTION, SECTION A-A
M2/A2/A122 LTC JUNCTION, SECTION B-B
A13/A1089/A122 LTC JUNCTION, SECTION D-D
A13/A1089/A122 LTC JUNCTION, SECTION E-E
A13/A1089/A122 LTC JUNCTION, SECTION F-F
A13/A1089/A122 LTC JUNCTION, SECTION G-G
M25/A122 LTC JUNCTION, SECTION H-H
M25/A122 LTC JUNCTION, SECTION J-J
M2/A2/A122 LTC JUNCTION, SECTION K-K
M2/A2/A122 LTC JUNCTION, SECTION L-L
M2/A2/A122 LTC JUNCTION, SECTION M-M
M2/A2/A122 LTC JUNCTION, SECTION N-N
ENHANCED CROSS SECTION LOCATIONS

1 Introduction

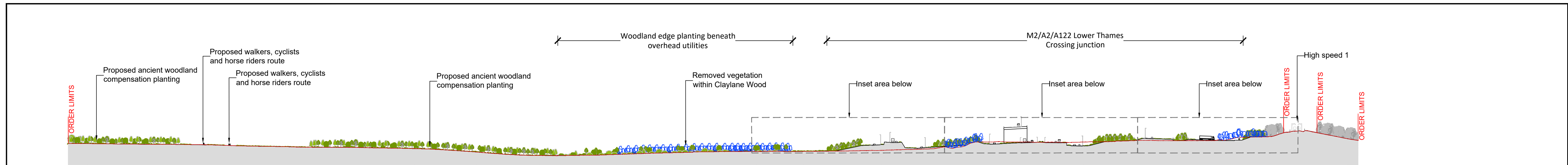
- 1.1.1 Action 2 from Open Floor Hearing 2 Action Points [EV-036] requested vertical cross sections at locations shown on the annotated version of the Junction Layout Plans provided by the Examining Authority in [EV-035]. These are provided in Engineering Cross Sections (Document Reference 9.58). As identified in OFH2 Action Point 2 – Additional cross-sections [REP1-195], the Applicant proposed enhanced cross sections to be provided that show a little more context. This document has been prepared in response to that.
- 1.1.2 The cross sections have been produced at eight of the nine locations requested by the Examining Authority, labelled cross-sections A-A: to H-H and cross-section J-J. Section C-C has not been provided in this set as essentially it is a long section and follows the centre line of the carriageway.
- 1.1.3 In addition, the Applicant has also provided 4 extra cross sections of the A2/M2/A122 Lower Thames Crossing junction that have previously been shared with stakeholders earlier this year as part of our ongoing stakeholder engagement activities. These can be summarised as follows:

Section	Location	Notes
K-K	A2/ M2/ LTC Intersection at Thong	Jeskyns Community Woodland to False Cut
L-L	A2/ M2/ LTC Intersection at Thong	Jeskyns Community Woodland to Footpath NS167
M-M	A2/ M2/ LTC Intersection at Thong	Gravesend to Thong Lane
N-N	A2/ M2/ LTC Intersection at Thong	HS1 Green Bridge to Footpath NS167

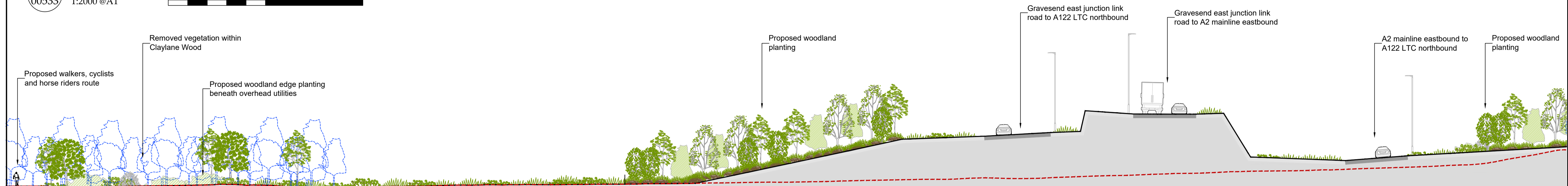
- 1.1.4 In addition to the level information provided by the Engineering cross sections, these 12 additional enhanced cross sections show information such as:
- Vegetation removal;
 - Proposed planting;
 - Gantries;
 - Lighting columns;
 - Vehicles
- 1.1.5 A full cross section is shown at the top of each drawing, with large scale insets below to show areas of more detail.
- 1.1.6 These plans are designed to be viewed on a screen and are shown at various scales which do not match those prescribed in Regulation 5(3) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009. The scales were chosen to suit the type of information displayed and so that interested parties can see the extents of the cross sections more easily on one drawing sheet, rather than many sheets.

2 Schedule of plans in this document

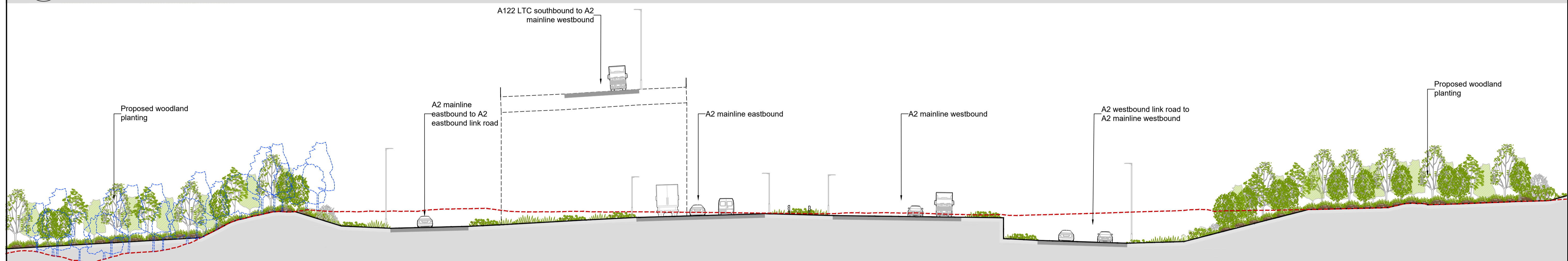
Document title	Revision
M2/A2/A122 LTC JUNCTION SECTION A-A	P01
M2/A2/A122 LTC JUNCTION SECTION B-B	P01
A13/A1089/A122 LTC JUNCTION SECTION D-D	P01
A13/A1089/A122 LTC JUNCTION SECTION E-E	P01
A13/A1089/A122 LTC JUNCTION SECTION F-F	P01
A13/A1089/A122 LTC JUNCTION SECTION G-G	P01
M25/A122 LTC JUNCTION SECTION H-H	P01
M25/A122 LTC JUNCTION SECTION J-J	P01
M2/A2/A122 LTC JUNCTION SECTION K-K	P01
M2/A2/A122 LTC JUNCTION SECTION L-L	P01
M2/A2/A122 LTC JUNCTION SECTION M-M	P01
M2/A2/A122 LTC JUNCTION SECTION N-N	P01
ENHANCED CROSS SECTION LOCATIONS	P01



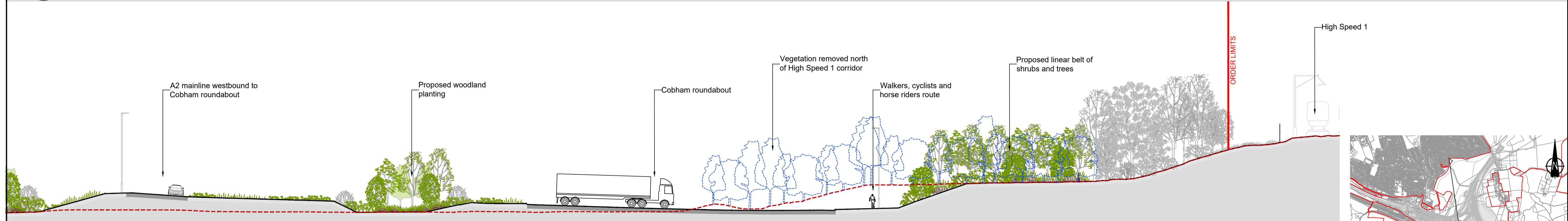
01 Long Cross Section
00533 1:2000 @A1



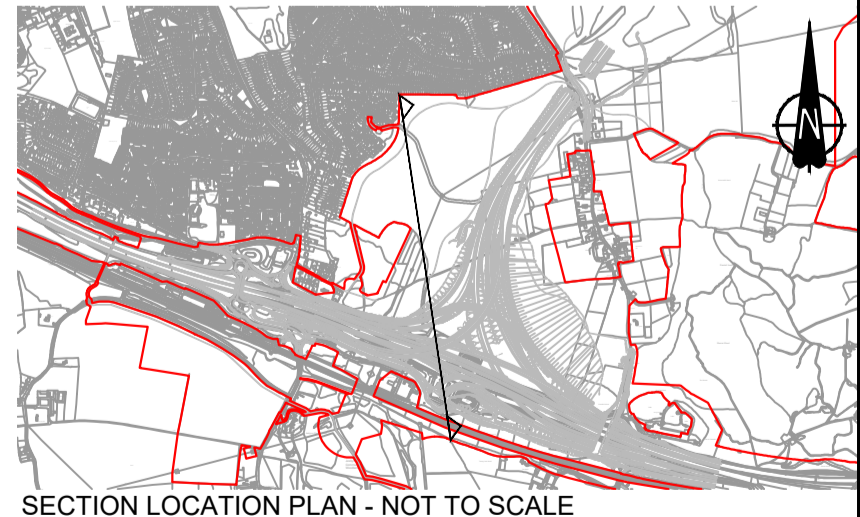
02 Cross Section - Inset
00533 1:250 @A1



03 Cross Section - Inset
00533 1:250 @A1



04 Cross Section - Inset
00533 1:250 @A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

P01	S8	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

- NOTES**
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
 - All dimensions in metres and all levels in metres unless shown otherwise.
 - All levels relate to Ordnance Survey datum unless stated otherwise.
 - This drawing is indicative only.

KEY

	EXISTING GROUND LEVEL		EXISTING VEGETATION		WATER
	PROPOSED GROUND LEVEL		PROPOSED VEGETATION		HIGHWAYS / ACCESS / FOOTPATHS
	ORDER LIMITS		REMOVED VEGETATION		VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

Status
DEADLINE 2

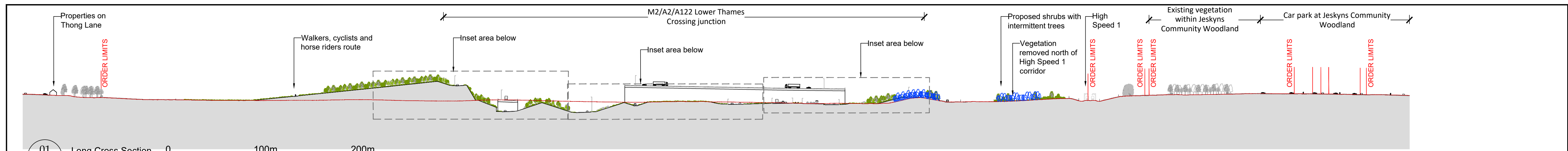
Drawing title
SECTION A - A M2/A2/A122 LOWER THAMES CROSSING - FROM ASTRA DRIVE TO HS1

Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZZZ-DR-ZZ-00533

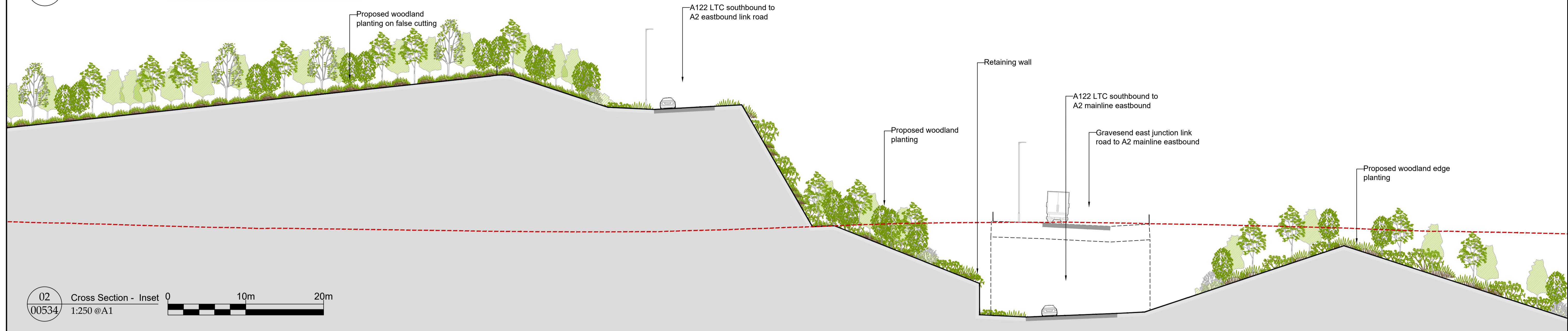
Original Size
A1

Revision
P01

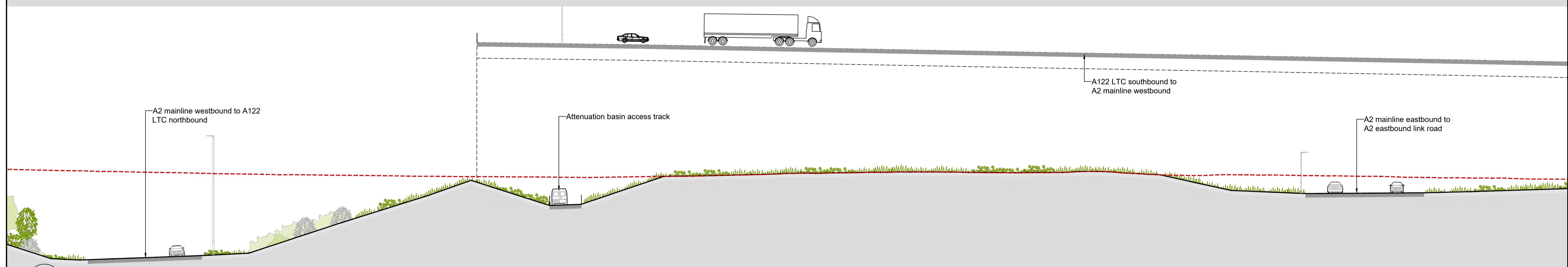
Scale



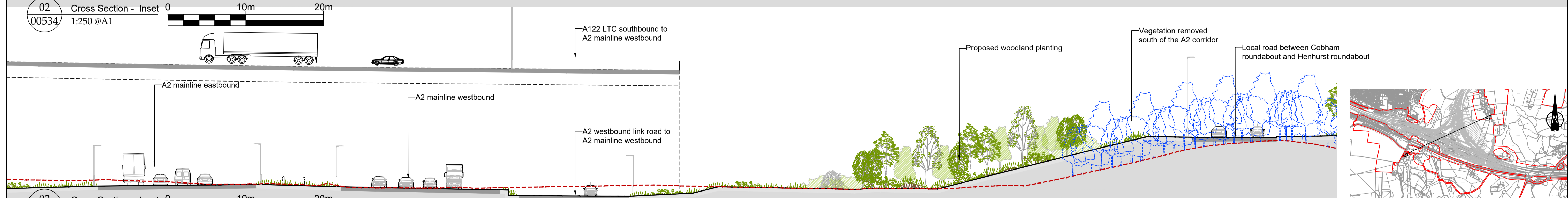
01 Long Cross Section
00534 1:2000 @A1



02 Cross Section - Inset
00534 1:250 @A1



02 Cross Section - Inset
00534 1:250 @A1



02 Cross Section - Inset
00534 1:250 @A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

P01	SB	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

- NOTES**
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
 - All dimensions in metres and all levels in metres unless shown otherwise.
 - All levels relate to Ordnance Survey datum unless stated otherwise.
 - This drawing is indicative only.

KEY

	EXISTING GROUND LEVEL		EXISTING VEGETATION		WATER
	PROPOSED GROUND LEVEL		PROPOSED VEGETATION		HIGHWAYS / ACCESS / FOOTPATHS
	ORDER LIMITS		REMOVED VEGETATION		VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

Status
DEADLINE 2

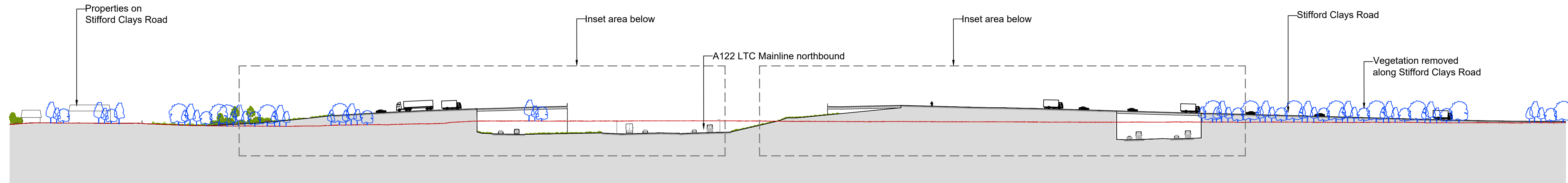
Drawing title
SECTION B - B M2/A2/A122 LOWER THAMES CROSSING - THONG LANE TO JESKYNs COMMUNITY WOODLAND

Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZZZ-DR-ZZ-00534

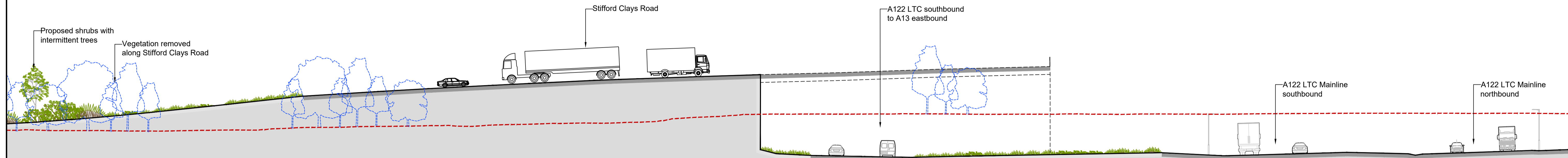
Original Size
A1

Revision
P01

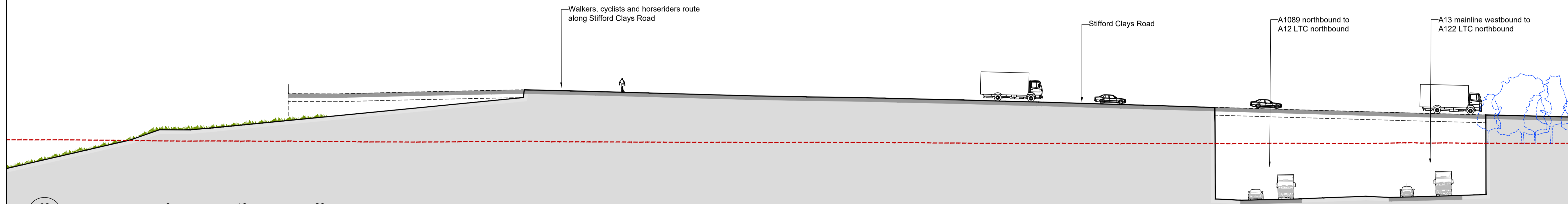
Scale



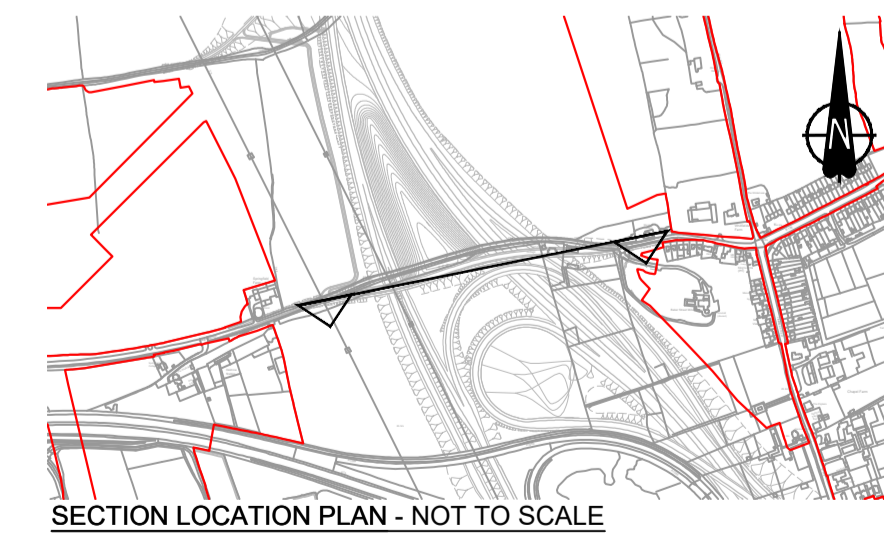
01 Long Cross Section
00537 1:1250 @A1



02 Long Cross Section
00537 1:250 @A1



03 Long Cross Section
00537 1:250 @A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100039649

P01	SB	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

- NOTES**
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
 - All dimensions in metres and all levels in metres unless shown otherwise.
 - All levels relate to Ordnance Survey datum unless stated otherwise.
 - This drawing is indicative only.

KEY

EXISTING GROUND LEVEL	EXISTING VEGETATION	WATER
PROPOSED GROUND LEVEL	PROPOSED VEGETATION	HIGHWAYS / ACCESS / FOOTPATHS
ORDER LIMITS	REMOVED VEGETATION	VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

Status
DEADLINE 2

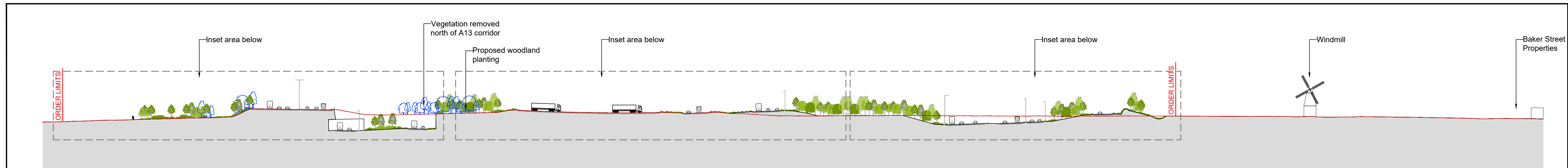
Drawing title
SECTION D - D A13/A1089/A122 LOWER THAMES CROSSING - ALONG STIFFORD CLAYS ROAD

Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZ-DR-ZZ-00537

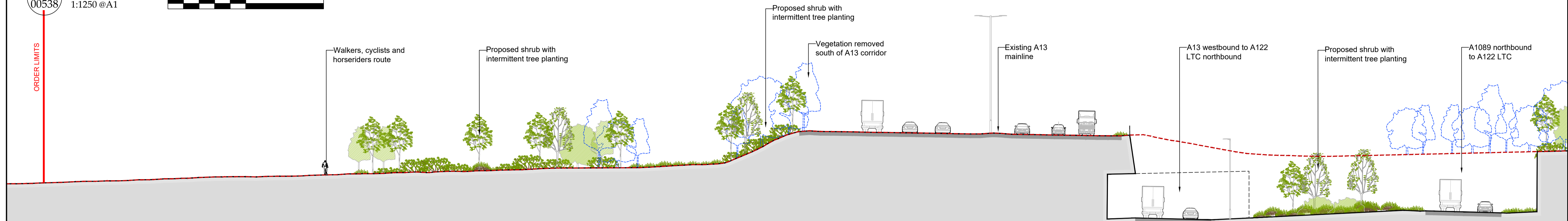
Original Size
A1

Revision
P01

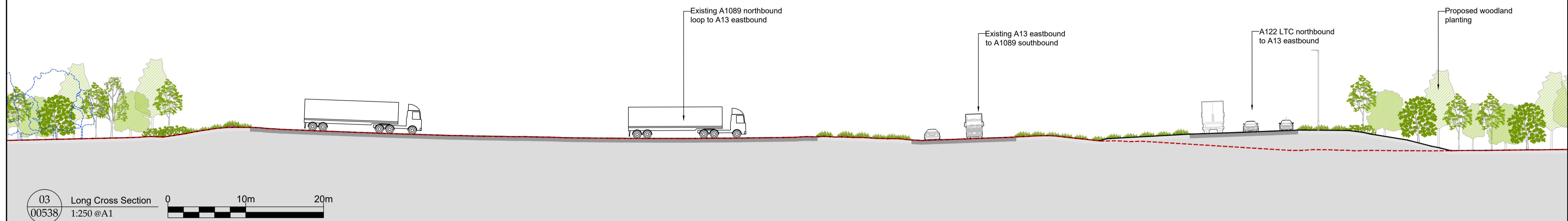
Scale



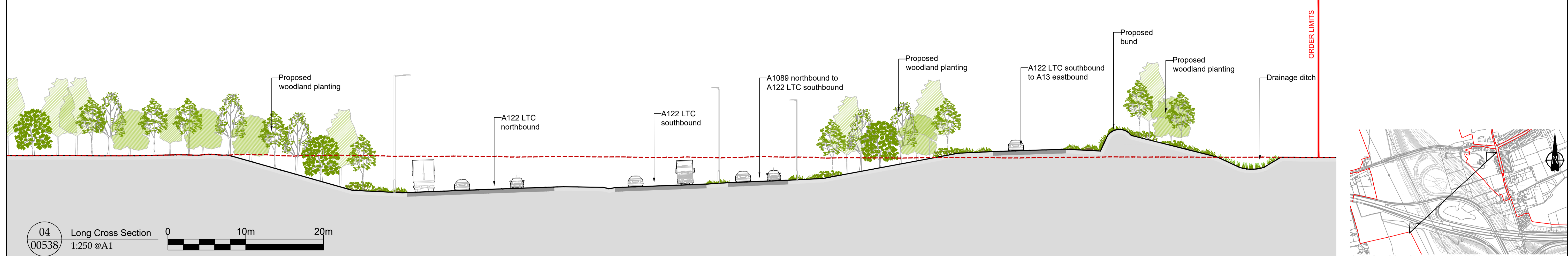
01 Long Cross Section
00538/ 1:1250 @A1



02 Long Cross Section
00538/ 1:250 @A1



03 Long Cross Section
00538/ 1:250 @A1



04 Long Cross Section
00538/ 1:250 @A1

Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

P01	S8	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

- NOTES**
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
 - All dimensions in metres and all levels in metres unless shown otherwise.
 - All levels relate to Ordnance Survey datum unless stated otherwise.
 - This drawing is indicative only.

KEY

	EXISTING GROUND LEVEL		EXISTING VEGETATION		WATER
	PROPOSED GROUND LEVEL		PROPOSED VEGETATION		HIGHWAYS / ACCESS / FOOTPATHS
	ORDER LIMITS		REMOVED VEGETATION		VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

Status
DEADLINE 2

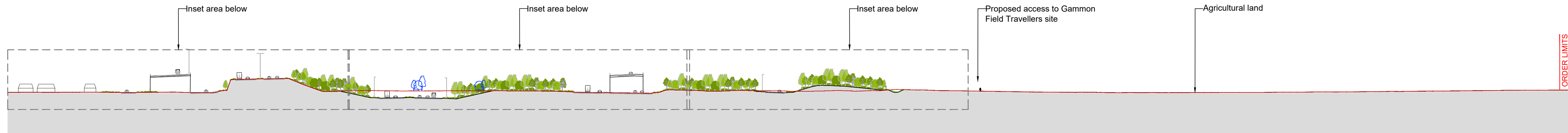
Drawing title
SECTION E - E A13/A1089/A122 LOWER THAMES CROSSING - BAKER STREET TO SOUTH OF EXISTING A13 MAINLINE

Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZ-DR-ZZ-00538

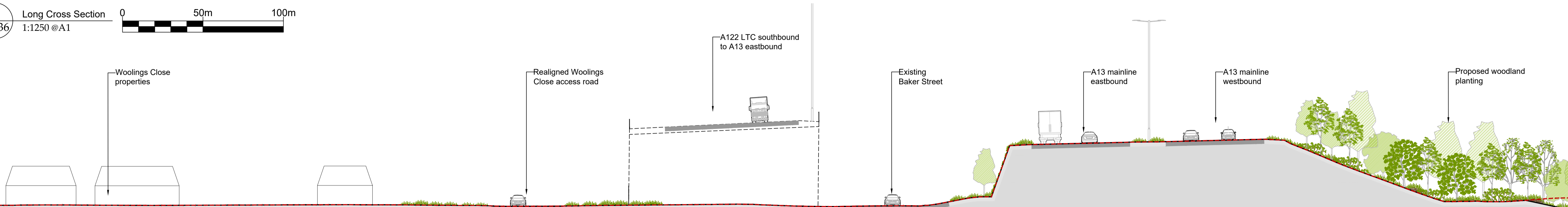
Original Size
A1

Revision
P01

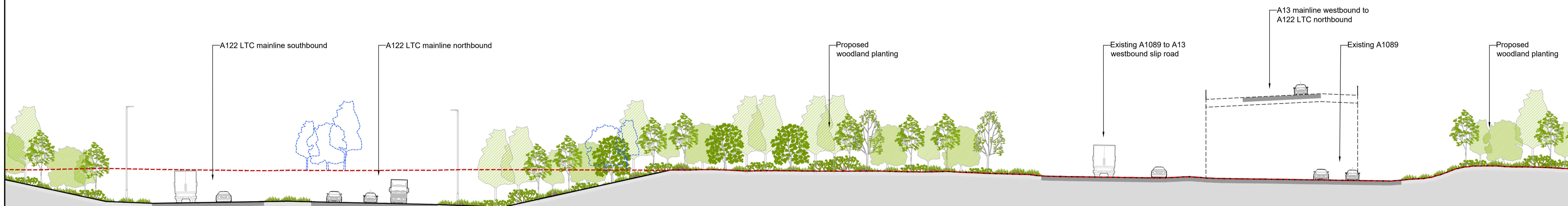
Scale



01 Long Cross Section
00536 1:1250 @A1



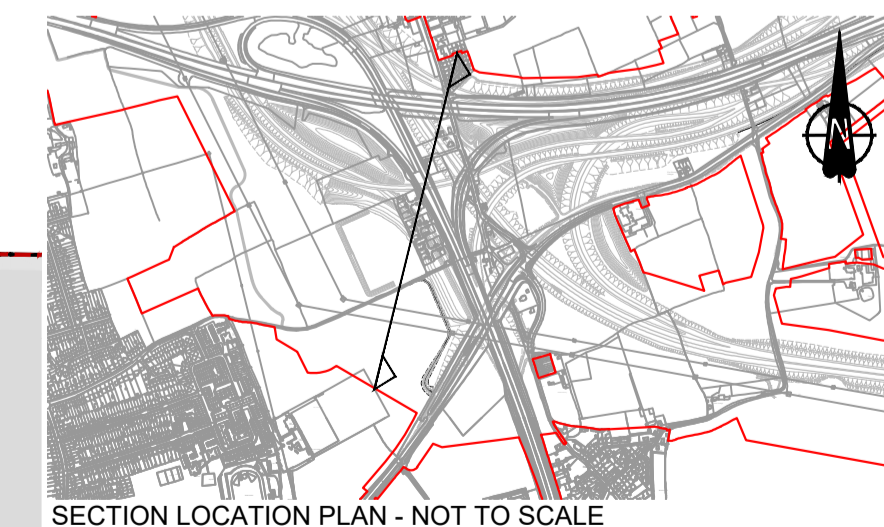
02 Long Cross Section
00536 1:250 @A1



03 Long Cross Section
00536 1:250 @A1



04 Long Cross Section
00536 1:250 @A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

NOTES

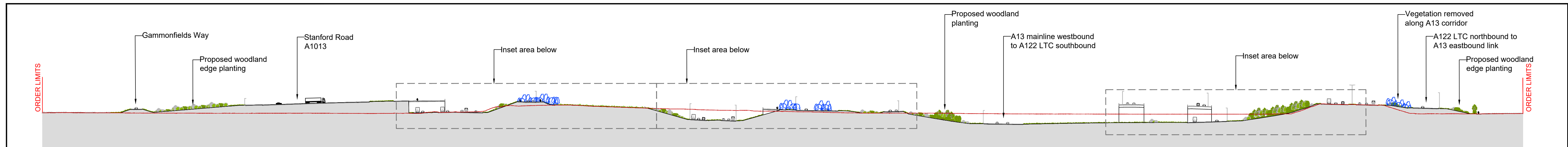
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
- All dimensions in metres and all levels in metres unless shown otherwise.
- All levels relate to Ordnance Survey datum unless stated otherwise
- This drawing is indicative only

KEY

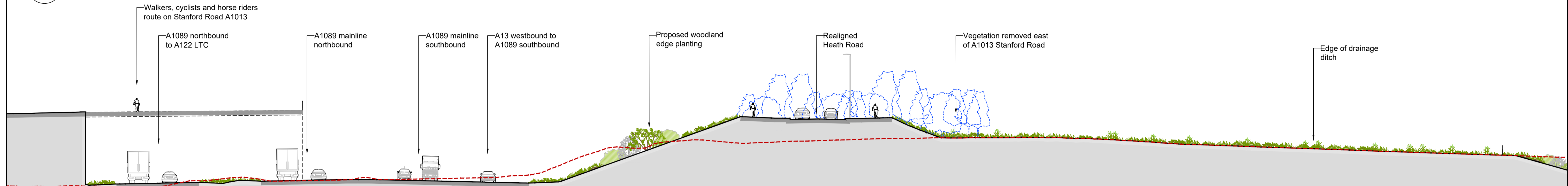
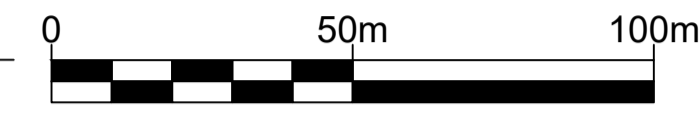
EXISTING GROUND LEVEL	EXISTING VEGETATION	WATER
PROPOSED GROUND LEVEL	PROPOSED VEGETATION	HIGHWAYS / ACCESS / FOOTPATHS
ORDER LIMITS	REMOVED VEGETATION	VIADUCT / OVERBRIDGE

 Client Project LOWER THAMES CROSSING 5th Floor Beaufort House 15 St Botolph Street London EC3A 7DT	Status DEADLINE 2	Original Size A1	Revision P01
	Drawing title SECTION F - F A13/A1089/A122 LOWER THAMES CROSSING - WOOLINGS CLOSE TO WEST OF STANFORD ROAD		
Drawing number HE540039-CJV-SAR-ZZZ_ZZZZZZZZZ-DR-ZZ-00536			

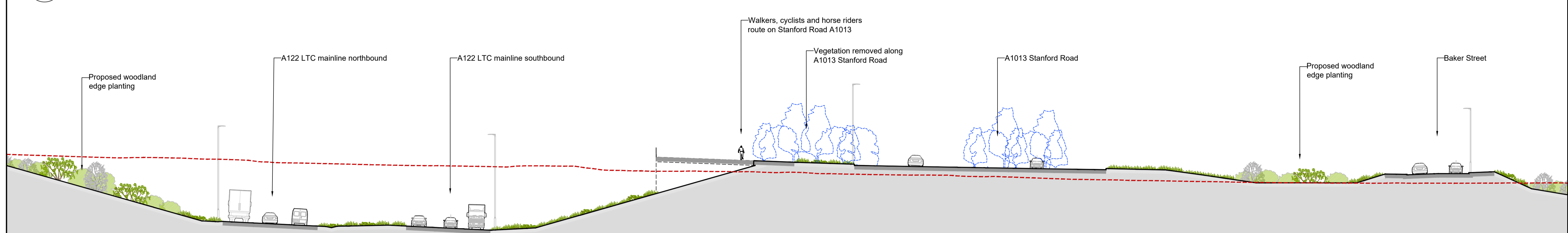
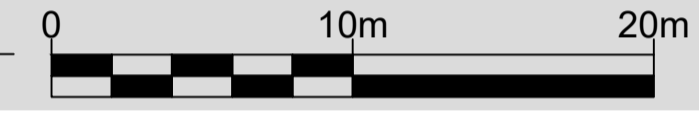
P01	SB	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd



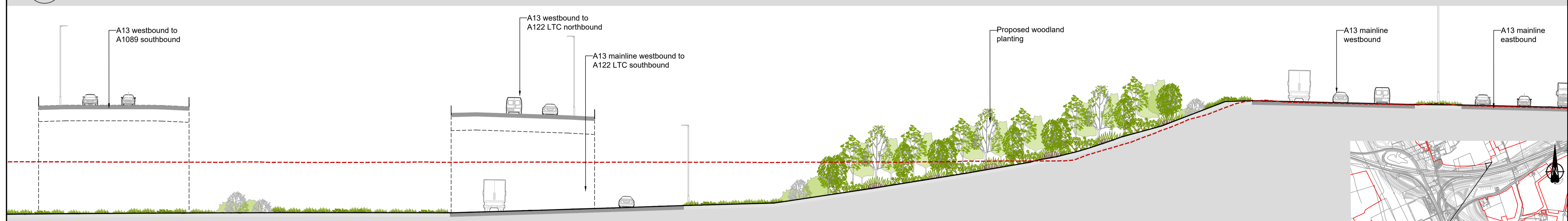
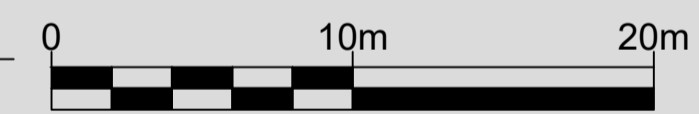
01 Long Cross Section
00535 1:1250 @A1



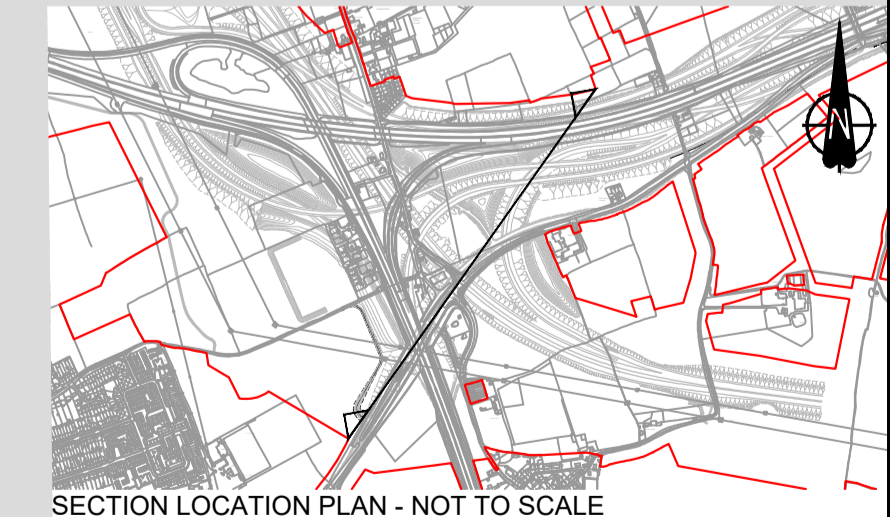
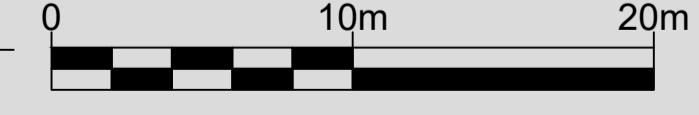
02 Long Cross Section
00535 1:250 @A1



03 Long Cross Section
00535 1:250 @A1



04 Long Cross Section
00535 1:250 @A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

P01	S8	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Appr'd

- NOTES**
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
 - All dimensions in metres and all levels in metres unless shown otherwise.
 - All levels relate to Ordnance Survey datum unless stated otherwise.
 - This drawing is indicative only.

KEY

	EXISTING GROUND LEVEL		EXISTING VEGETATION		WATER
	PROPOSED GROUND LEVEL		PROPOSED VEGETATION		HIGHWAYS / ACCESS / FOOTPATHS
	ORDER LIMITS		REMOVED VEGETATION		VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

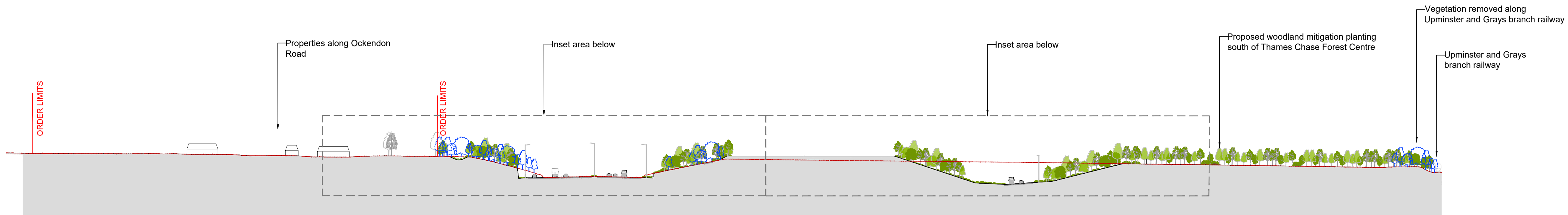
Status
DEADLINE 2

Original Size
A1

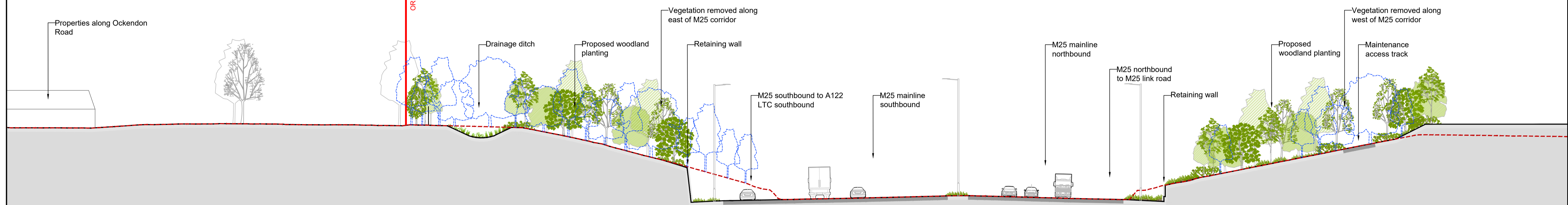
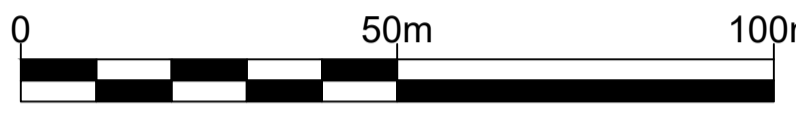
Revision
P01

Drawing title
SECTION G - G A13/A1089/A122 LOWER THAMES CROSSING NORTH OF A13 TO STANFORD ROAD

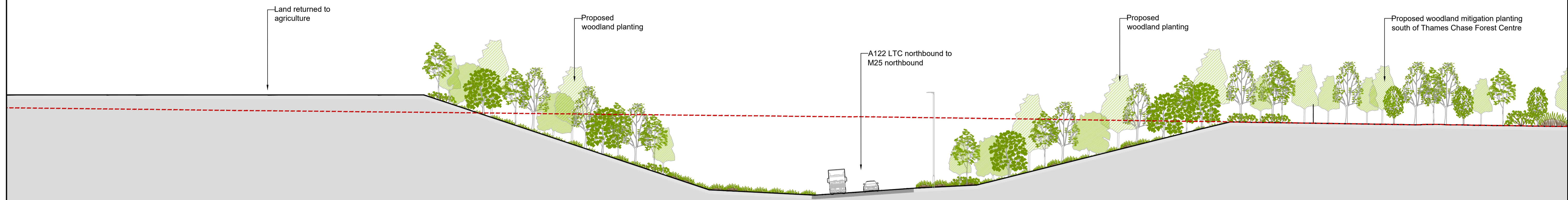
Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZZ-DR-ZZ-00535



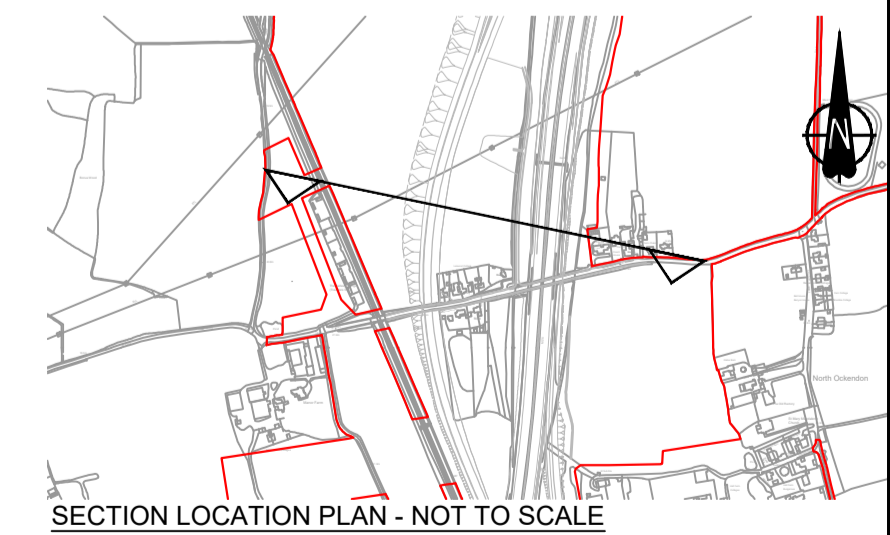
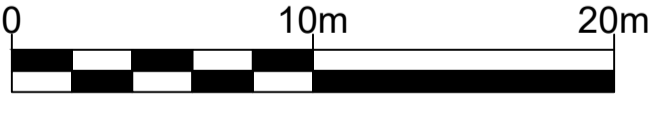
01 Long Cross Section
00540 1:1000 @A1



02 Cross Section - Inset
00540 1:250 @A1



03 Cross Section - Inset
00540 1:250 @A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

P01	S2	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

NOTES

- Do not scale from this drawing. Do not take digital dimensions from this drawing.
- All dimensions in metres and all levels in metres unless shown otherwise.
- All levels relate to Ordnance Survey datum unless stated otherwise
- This drawing is indicative only

KEY

EXISTING GROUND LEVEL	EXISTING VEGETATION	WATER
PROPOSED GROUND LEVEL	PROPOSED VEGETATION	HIGHWAYS / ACCESS / FOOTPATHS
ORDER LIMITS	REMOVED VEGETATION	VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

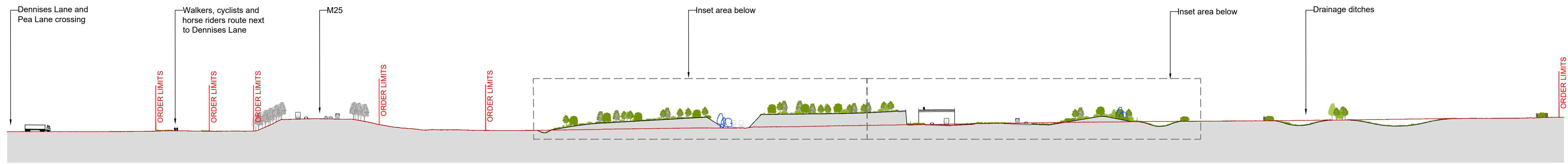
Status
DEADLINE 2

Original Size
A1

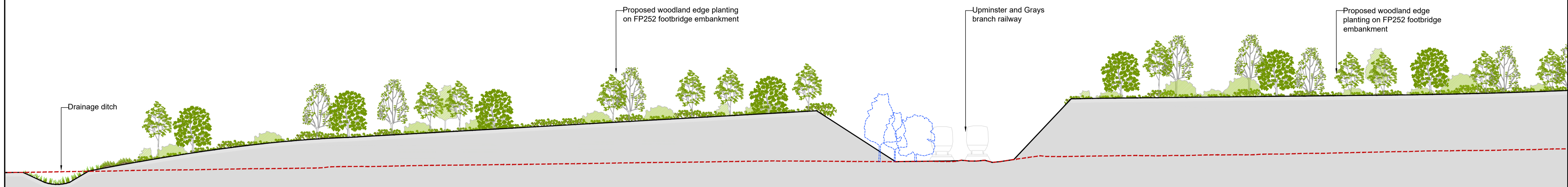
Revision
P01

Drawing title
SECTION H - H A122 LOWER THAMES CROSSING / M25 JUNCTION - FROM PIKE LANE TO OCKENDON ROAD

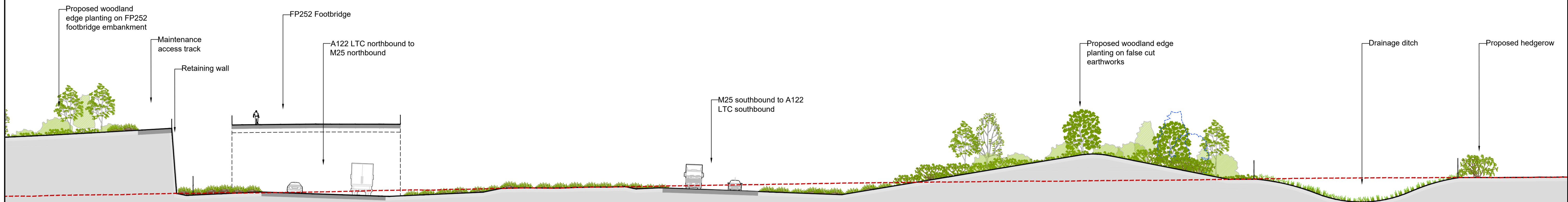
Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZZ-DR-ZZ-00540



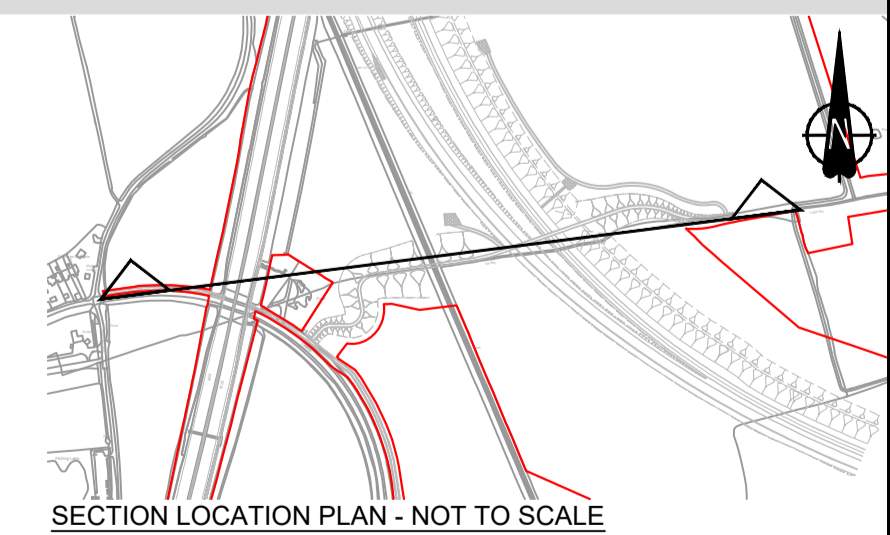
01 Long Cross Section
00539 1:1250 @A1



02 Cross Section - Inset
00539 1:250 @A1



03 Cross Section - Inset
00539 1:250 @A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

P01	S2	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

NOTES

- Do not scale from this drawing. Do not take digital dimensions from this drawing.
- All dimensions in metres and all levels in metres unless shown otherwise.
- All levels relate to Ordnance Survey datum unless stated otherwise
- This drawing is indicative only

KEY

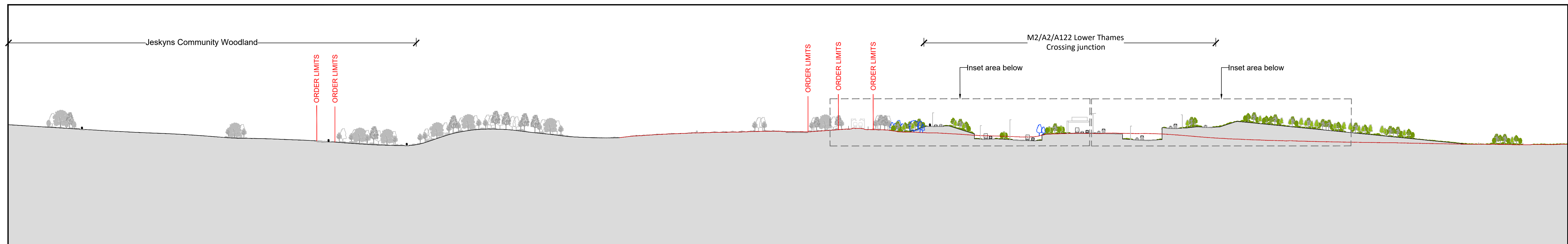
EXISTING GROUND LEVEL	EXISTING VEGETATION	WATER
PROPOSED GROUND LEVEL	PROPOSED VEGETATION	HIGHWAYS / ACCESS / FOOTPATHS
ORDER LIMITS	REMOVED VEGETATION	VIADUCT / OVERBRIDGE

Client
national highways

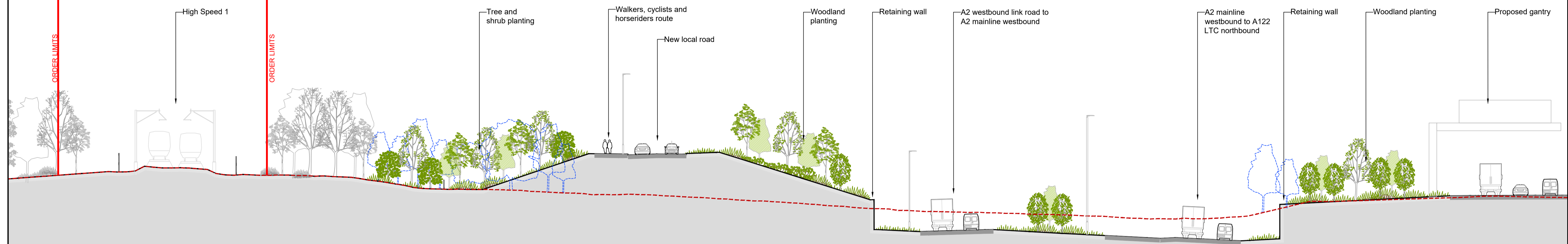
Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

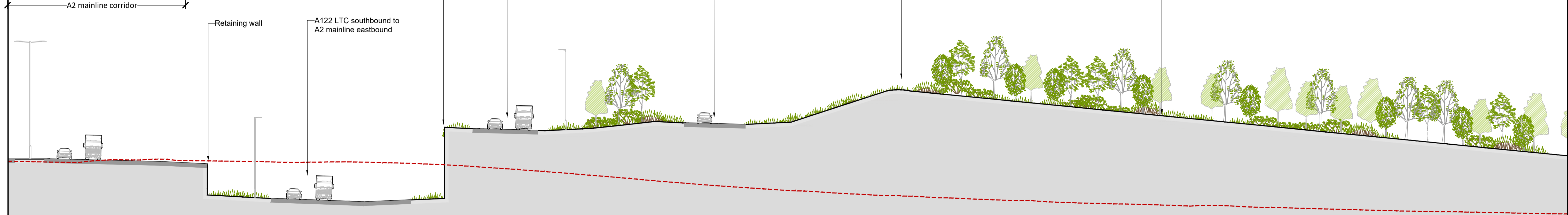
Status	DEADLINE 2	Original Size	A1	Revision	P01
Drawing title	SECTION J - J A122 LOWER THAMES CROSSING - FROM DENNIS ROAD TO FP252 / FP151				
Drawing number	HE540039-CJV-SAR-ZZZ_ZZZZZZZZZ-DR-ZZ-00539				



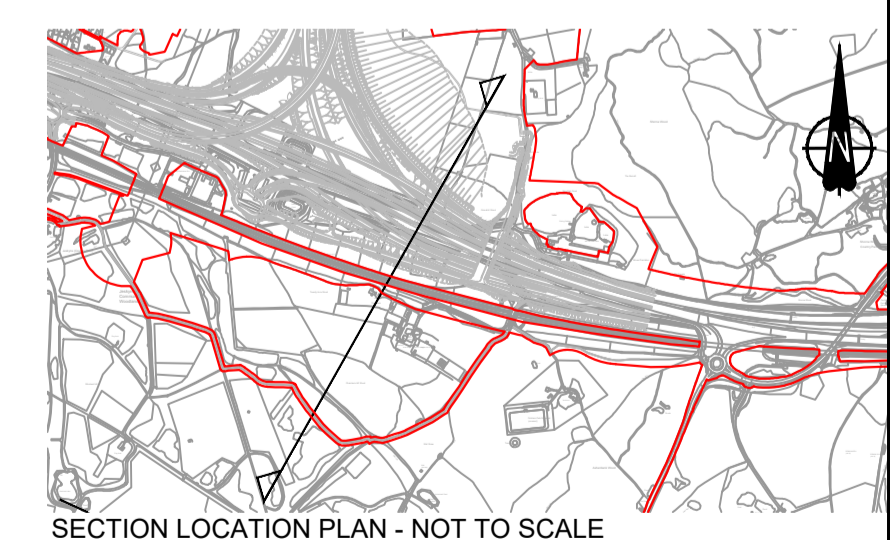
01 Long Cross Section
00503 1:1500@A1



02 Cross Section - Inset
00503 1:250@A1



03 Cross Section - Inset
00503 1:250@A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649						
P01	S8	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

- NOTES**
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
 - All dimensions in metres and all levels in metres unless shown otherwise.
 - All levels relate to Ordnance Survey datum unless stated otherwise
 - This drawing is indicative only

KEY

EXISTING GROUND LEVEL	EXISTING VEGETATION	WATER
PROPOSED GROUND LEVEL	PROPOSED VEGETATION	HIGHWAYS / ACCESS / FOOTPATHS
ORDER LIMITS	REMOVED VEGETATION	VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

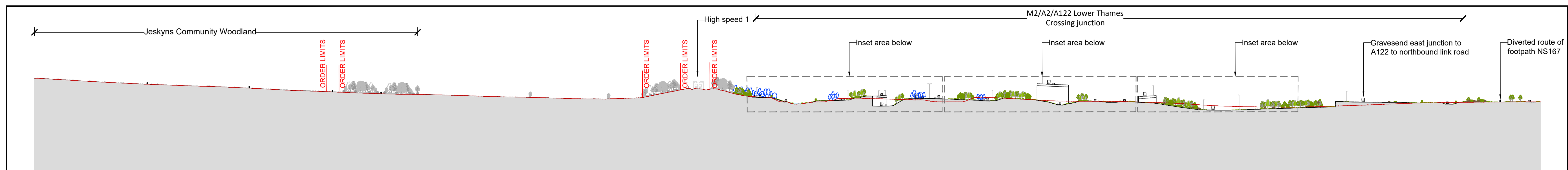
Status
DEADLINE 2

Original Size
A1

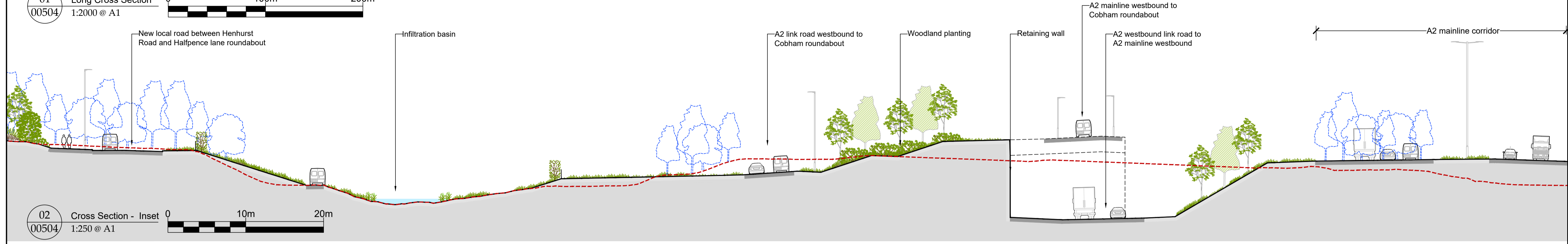
Revision
P01

Drawing title
SECTION K - K M2/A2/A122 LOWER THAMES CROSSING - JESKYNs COMMUNITY WOODLAND TO FALSE CUT

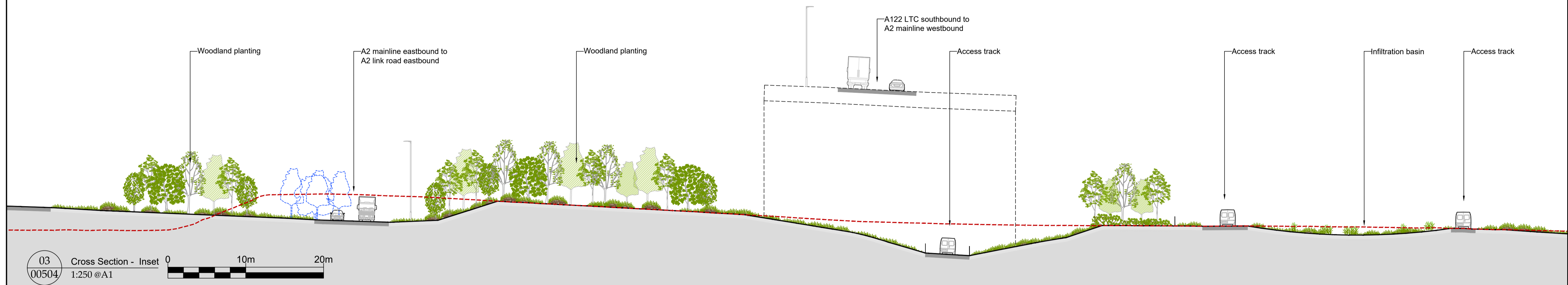
Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZZ-DR-ZZ-00503



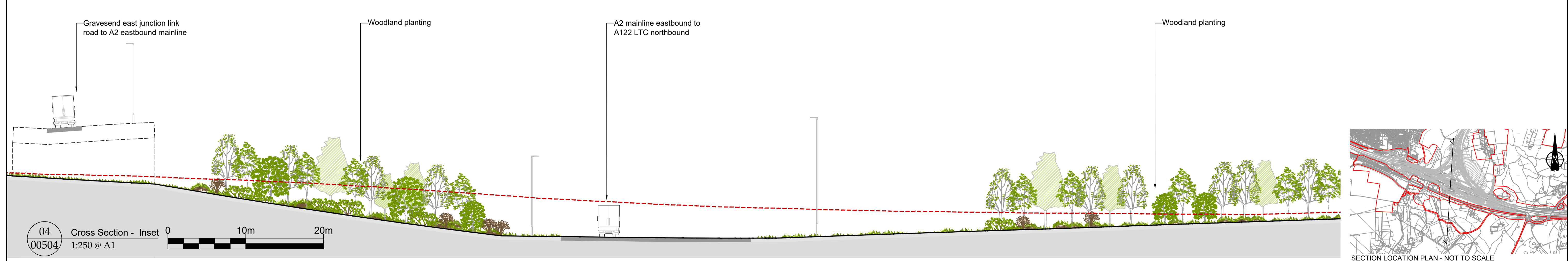
01 Long Cross Section
00504 1:2000 @ A1



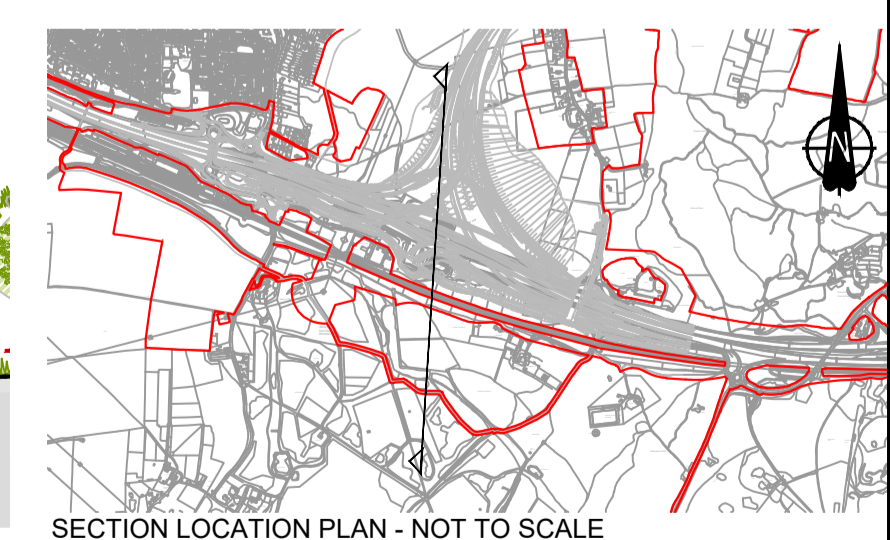
02 Cross Section - Inset
00504 1:250 @ A1



03 Cross Section - Inset
00504 1:250 @ A1



04 Cross Section - Inset
00504 1:250 @ A1



Contains Ordnance Survey data. © Crown copyright and database rights 2019. Ordnance Survey 100030649

P01	S8	2023/08/02	DEADLINE 2	KB	AK	JBa
Rev	Status	Rev. Date	Purpose of revision	Drawn	Chck'd	Apprv'd

- NOTES**
- Do not scale from this drawing. Do not take digital dimensions from this drawing.
 - All dimensions in metres and all levels in metres unless shown otherwise.
 - All levels relate to Ordnance Survey datum unless stated otherwise
 - This drawing is indicative only

KEY

	EXISTING GROUND LEVEL		EXISTING VEGETATION		WATER
	PROPOSED GROUND LEVEL		PROPOSED VEGETATION		HIGHWAYS / ACCESS / FOOTPATHS
	ORDER LIMITS		REMOVED VEGETATION		VIADUCT / OVERBRIDGE

Client
national highways

Project
LOWER THAMES CROSSING

5th Floor Beaufort House
15 St Botolph Street
London EC3A 7DT

Status
DEADLINE 2

Drawing title
SECTION L - L M2/A2/A122 LOWER THAMES CROSSING - JESKYNs COMMUNITY WOODLAND TO FOOTPATH NS167

Drawing number
HE540039-CJV-SAR-ZZZ_ZZZZZZZZ-DR-ZZ-00504

Original Size A1	Revision P01
Scale	

If you need help accessing this or any other National Highways information, please call **0300 123 5000** and we will help you.

© Crown copyright 2023.

You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence:

visit www.nationalarchives.gov.uk/doc/open-government-licence/

write to the **Information Policy Team, The National Archives, Kew, London TW9 4DU**, or email psi@nationalarchives.gsi.gov.uk.

Mapping (where present): © Crown copyright and database rights 2023 OS 100030649. You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-licence, distribute or sell any of this data to third parties in any form.

If you have any enquiries about this publication email info@nationalhighways.co.uk or call **0300 123 5000***.

*Calls to 03 numbers cost no more than a national rate call to an 01 or 02 number and must count towards any inclusive minutes in the same way as 01 and 02 calls.

These rules apply to calls from any type of line including mobile, BT, other fixed line or payphone. Calls may be recorded or monitored.

Printed on paper from well-managed forests and other controlled sources when issued directly by National Highways.

Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ

National Highways Limited registered in England and Wales number 09346363