

# Lower Thames Crossing

Pre-Consultation Scheme Assessment Report  
Volume 3: Identification and Description of Shortlist Routes  
Section 8: Appendices  
Part 5 of 5

## **Appendix 3.18**

### **Route 3 Plan and Profile Drawings**

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Route 3 Layout Plan

Route 3 General Plan Sheet 1 of 10

Route 3 plan and profile Sheet 2 of 10

Route 3 plan and profile Sheet 3 of 10

Route 3 bored tunnel plan and profile Sheet 4 of 10

Route 3 bored tunnel plan and profile Sheet 5 of 10

Route 3 bored tunnel plan and profile Sheet 6 of 10

Route 3 plan and profile Sheet 7 of 10

Route 3 plan and profile Sheet 8 of 10

Route 3 plan and profile Sheet 9 of 10

Route 3 plan and profile Sheet 10 of 10

Route 3 immersed tunnel plan and profile Sheet 4 of 10

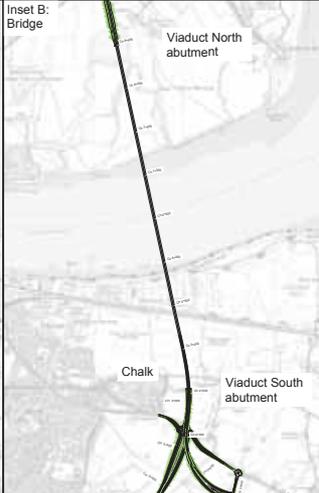
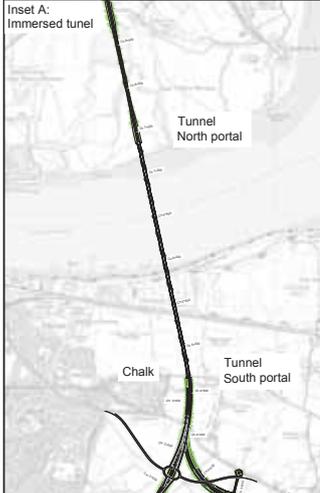
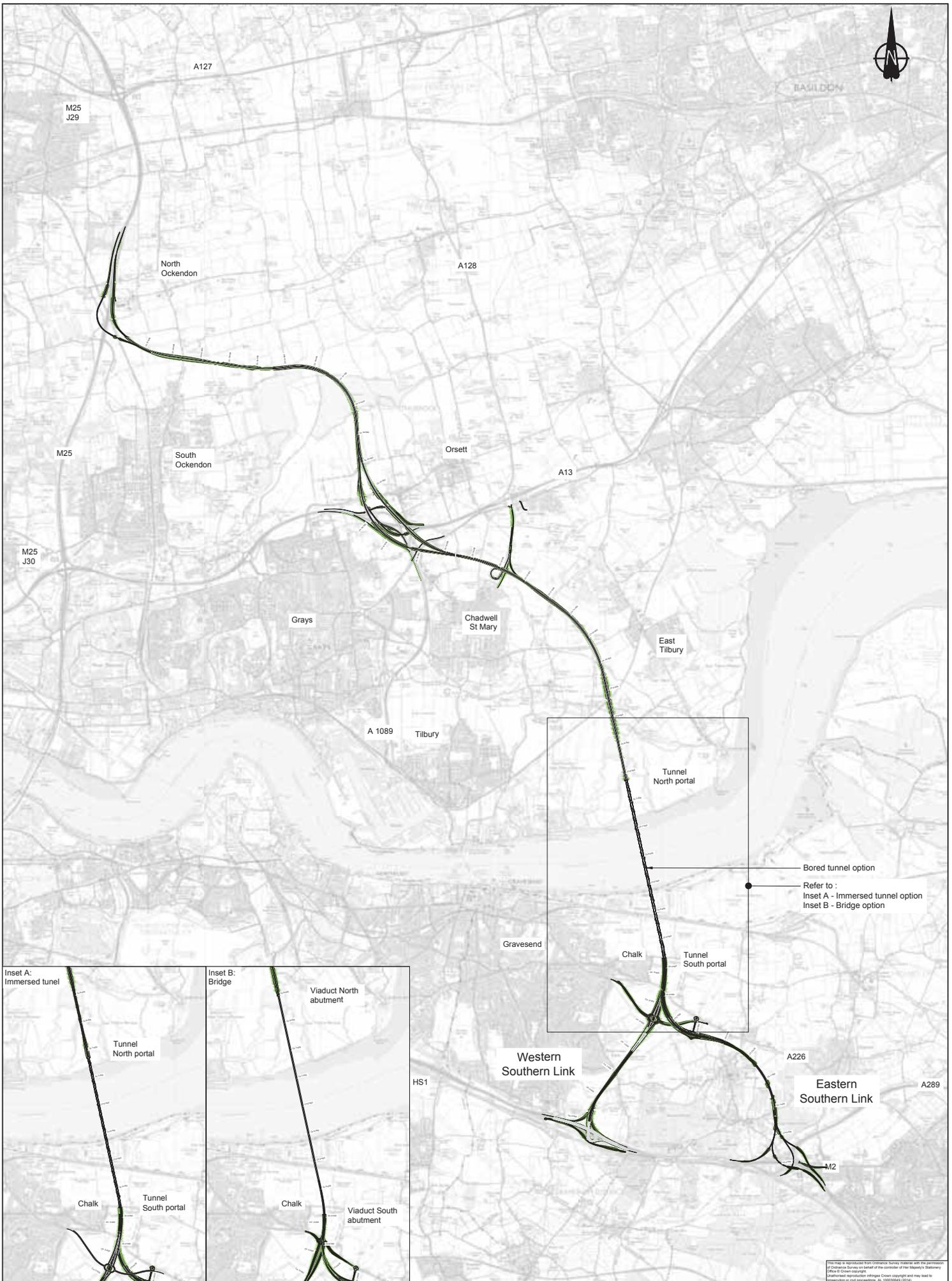
Route 3 immersed tunnel plan and profile Sheet 5 of 10

Route 3 immersed tunnel plan and profile Sheet 6 of 10

Route 3 bridge plan and profile Sheet 4 of 10

Route 3 bridge plan and profile Sheet 5 of 10

Route 3 bridge plan and profile Sheet 6 of 10



Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	20-11-15	SAR Issue	ABE	MR	GH

**ILLUSTRATIVE DESIGN**

Client



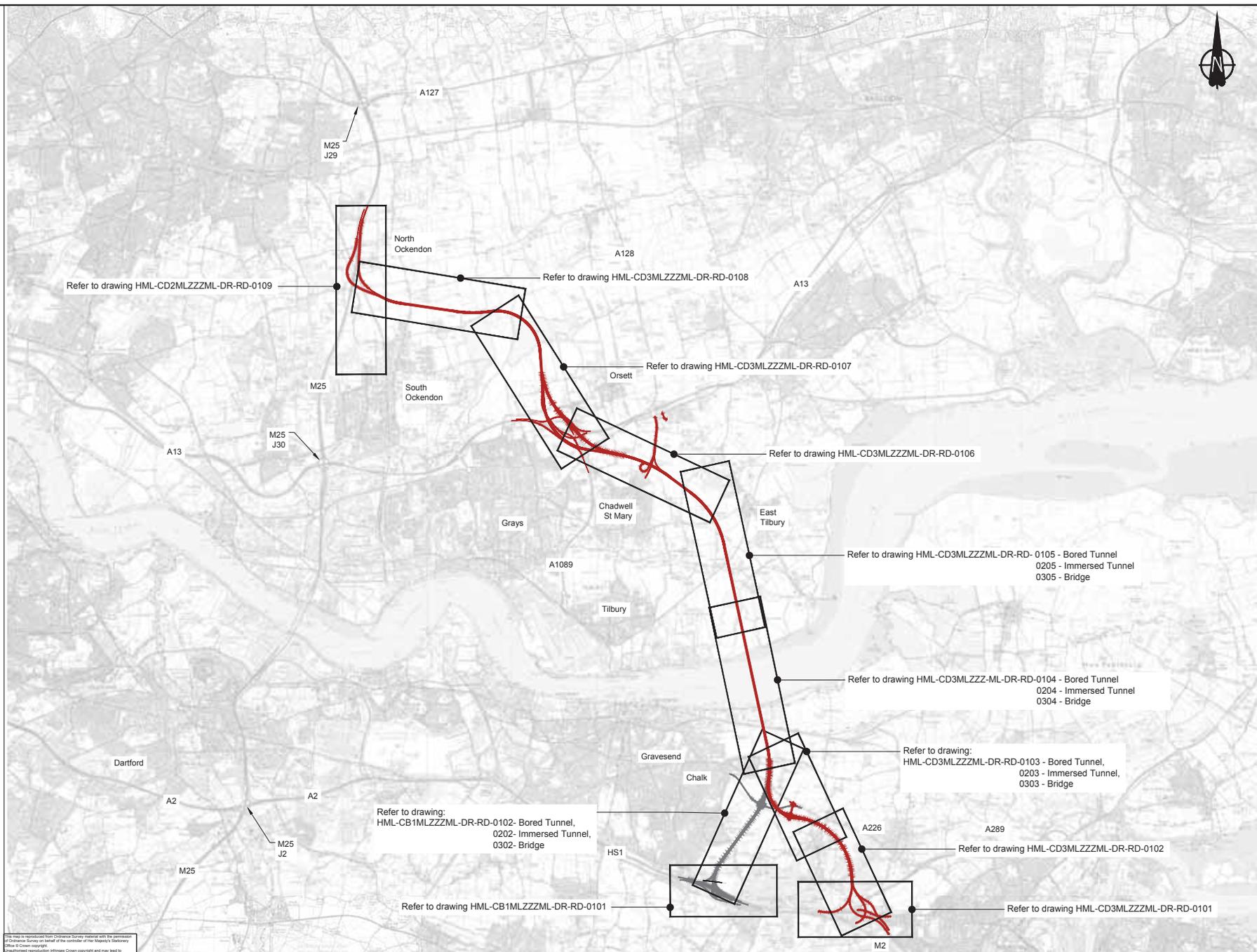
**Halcrow Hyder Joint Venture**  
Burdorpe Park  
Swindon, SN4 0DD  
Tel: +44(0)1793 812478




Project **LOWER THAMES CROSSING**

Drawing title **Route 3 Layout Plan**

Status	S5	Revision	P01
Scale	NTS	Date	20-11-15
Drawn By	A Barbero Escribano		
Checked By	M Robinson		
Approved By	C Hodge		
Project No.	HA - PIN 496945	Originator	HHJ
Original Size	A1		
Drawing number	HML-CB0MLZZZML-DR-RD-1000		



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**NOTES**

1. This drawing to be viewed in colour.
2. The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

**LEGEND**

- Route 3 (Bored tunnel, Immersed Tunnel & Bridge)
- Western Southern Link (Bored tunnel, Immersed Tunnel & Bridge)

**ILLUSTRATIVE DESIGN**

Client

Halcrow Hyder Joint Venture  
Burdorop Park  
Swindon, SN4 0QD  
Tel. +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title

Route 3  
General Plan  
Sheet 1 of 10

Status	SS	Revision	P01
Scale	NTS	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA_PIV	Originator	Original Size
	HA540039	HHJ	A1
Drawing number	HML-CD3MLZZZML-DR-RD-0100		

P01	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**LEGEND - PLAN**

-  NMU existing
-  NMU stopped up
-  NMU diversion
-  Structure
-  Local road diversion

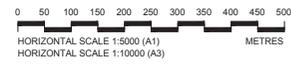


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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	AG	MR	GH

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Client



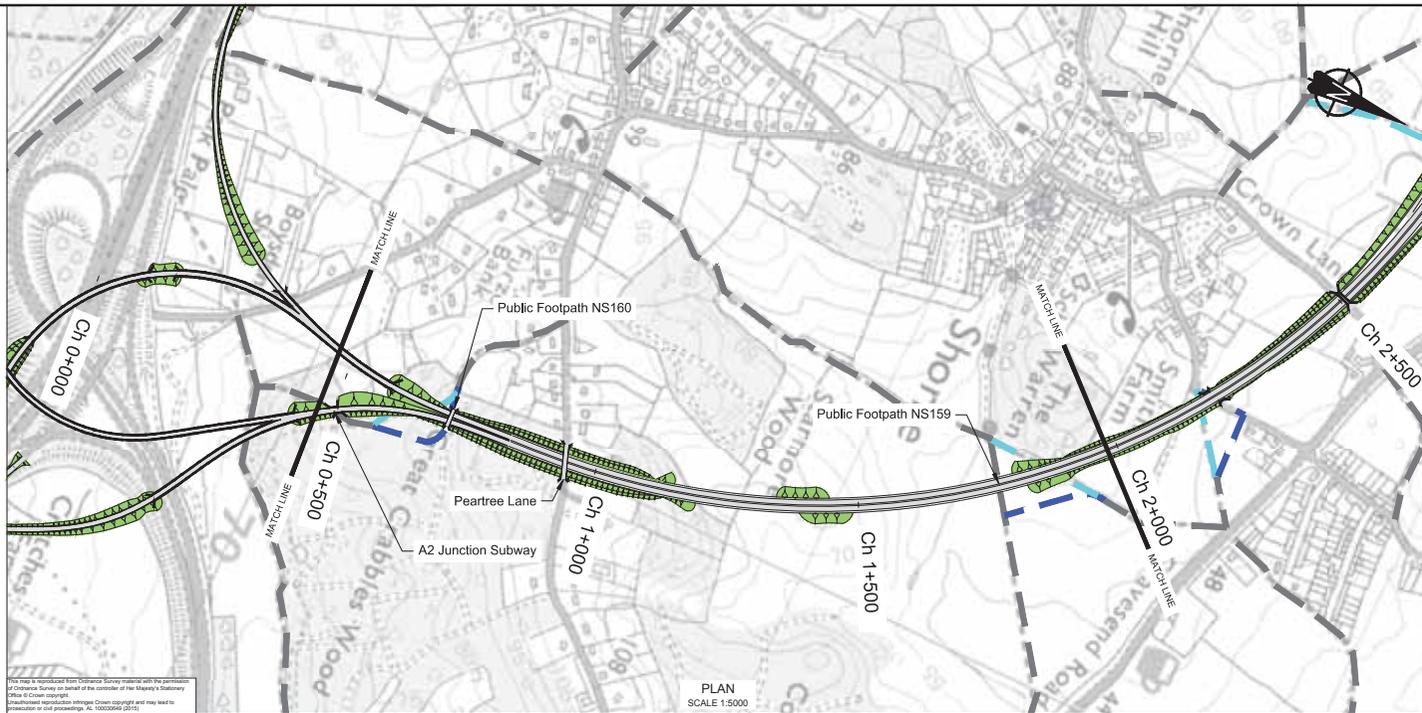
**Halcrow Hyder Joint Venture**  
Burderop Park  
Swindon, SN4 0QD  
Tel. +44(0)1793 812479




Project **LOWER THAMES CROSSING**

Drawing title **Route 3 Plan & Profile Sheet 2 of 10**

Status	SS	Revision	P01
Scale	As Show	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIN I Originator	Original Size	A1
HA	PIN	HHJ	
HA540039			
Drawing number	HML-CD3MLZZZML-DR-RD-0101		



**LEGEND - PLAN**

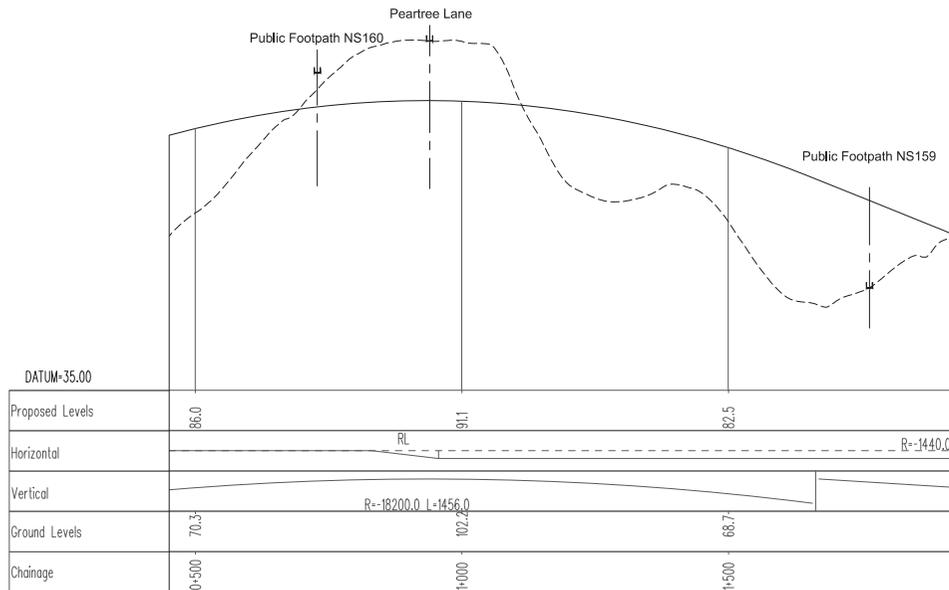
- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

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PLAN  
SCALE 1:5000

**LEGEND - PROFILE**

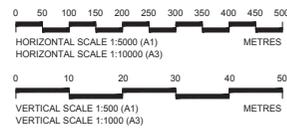
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
HV SCALE 1:5000 - 1:500

**NOTES**

- For Key Plan refer to drawing HHJ-HML-CD3MLZZZML-DR-RD-0100.
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Client

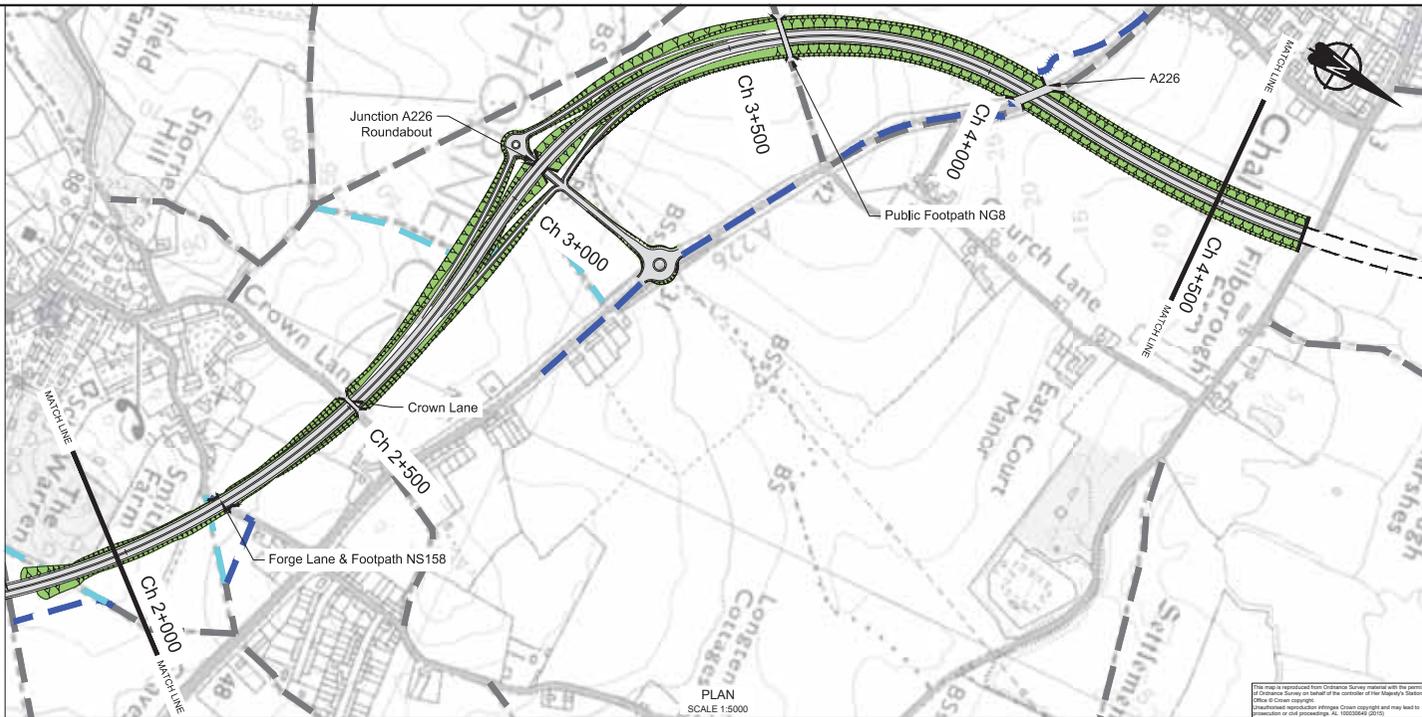
**Halcrow Hyder Joint Venture**  
Burderop Park  
Swindon, SN4 0QD  
Tel. +44(0)1753 812479

Project **LOWER THAMES CROSSING**

Drawing title **Route 3 Plan & Profile Sheet 3 of 10**

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIN I Origina	Original Size	A1
Drawing number	HML-CD3MLZZZML-DR-RD-0102		

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-16	SAR Issue	AG	MR	GH



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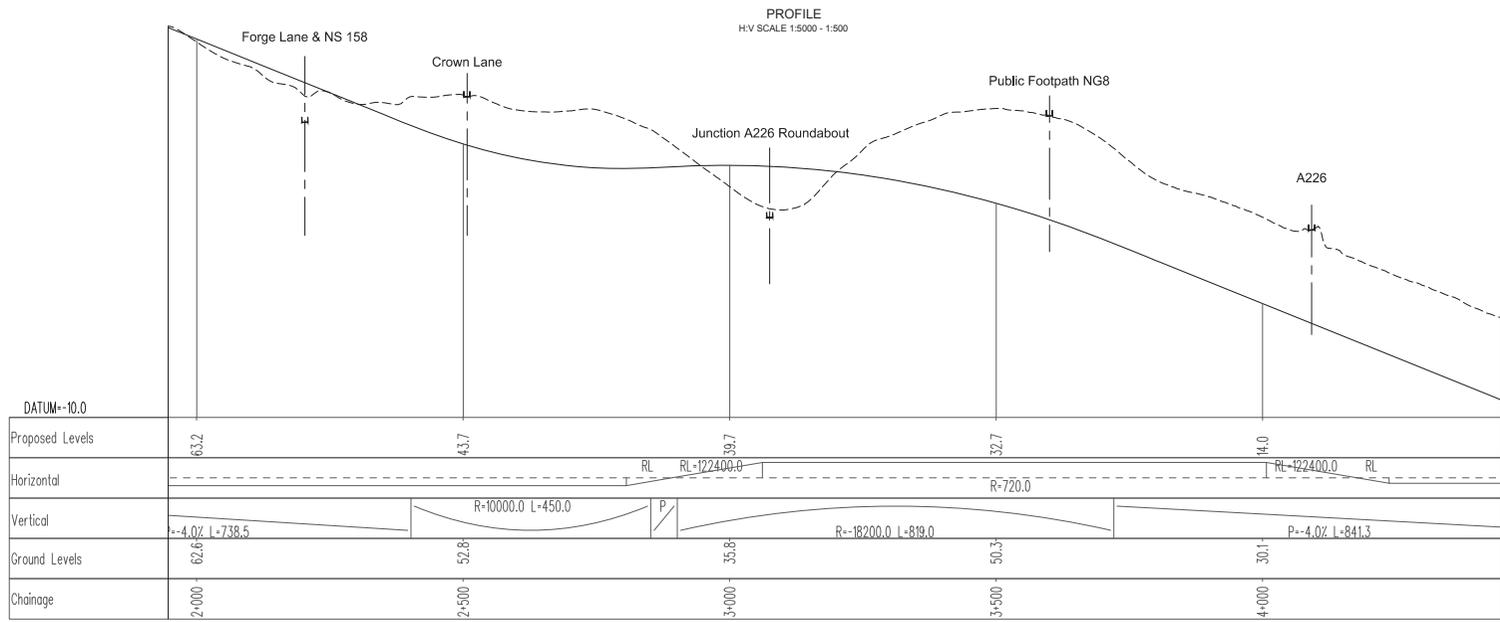
- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

PLAN  
SCALE 1:5000

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**LEGEND - PROFILE**

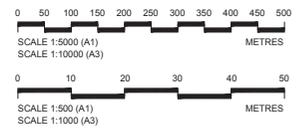
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
HV SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Client

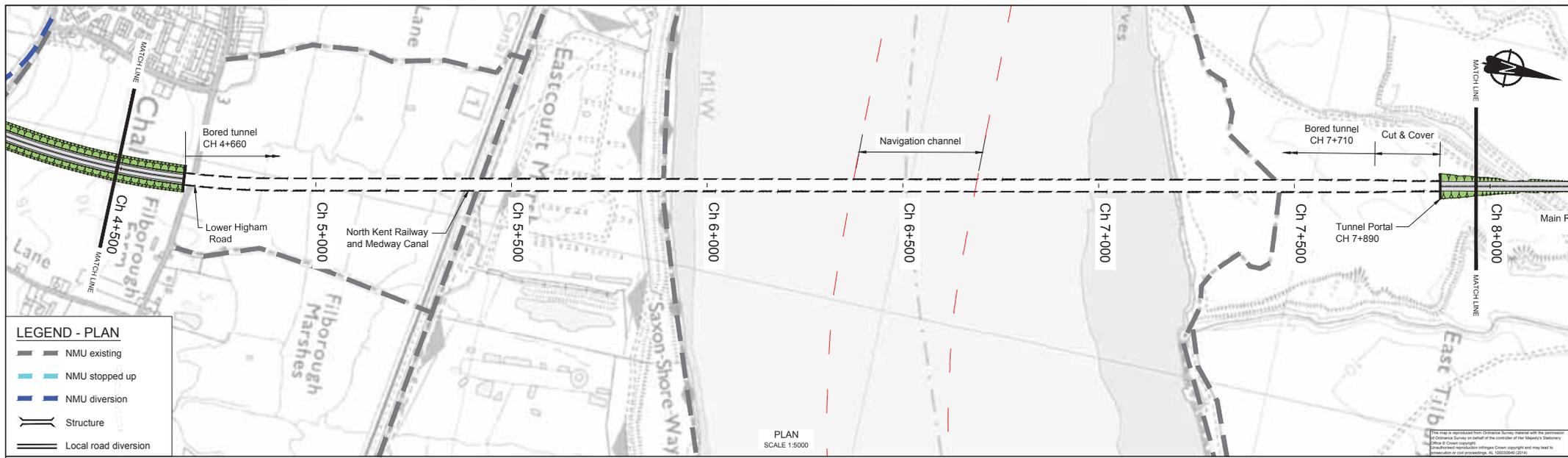
Halcrow Hyder Joint Venture  
Burderop Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 3 Bored Tunnel Plan & Profile Sheet 4 of 10

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIN I Originator	Original Size	A1
HA540039	HHJ		
Drawing number	HML-CD3MLZZZML-DR-RD-0103		

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-16	SAR Issue	AG	MR	GH



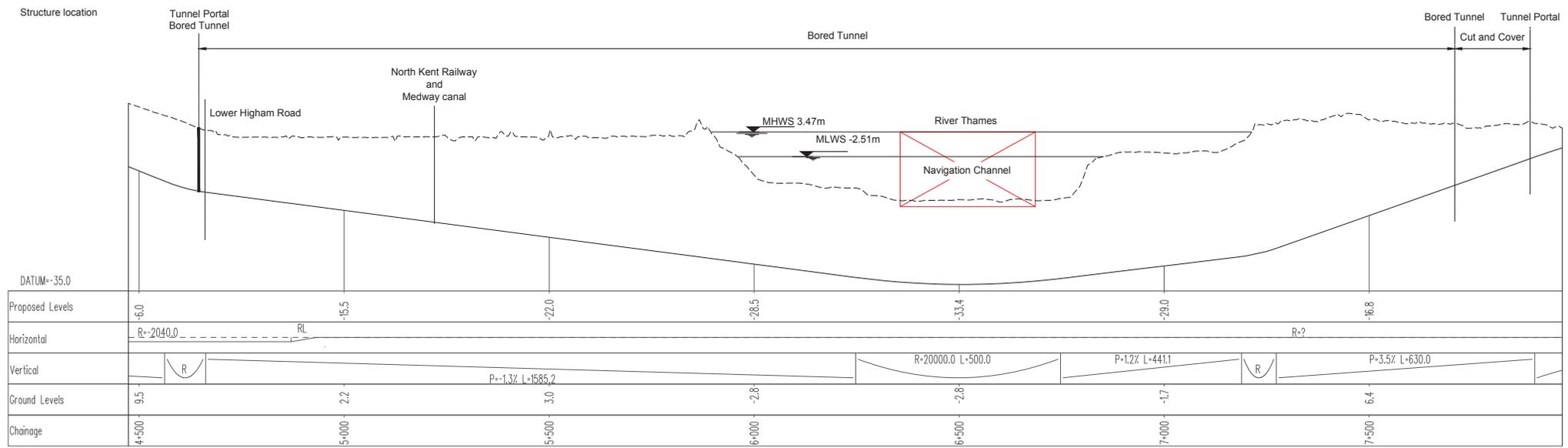
**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

PLAN  
SCALE 1:5000

**LEGEND - PROFILE**

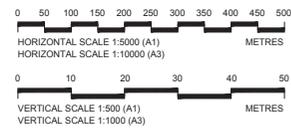
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H/V SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Client

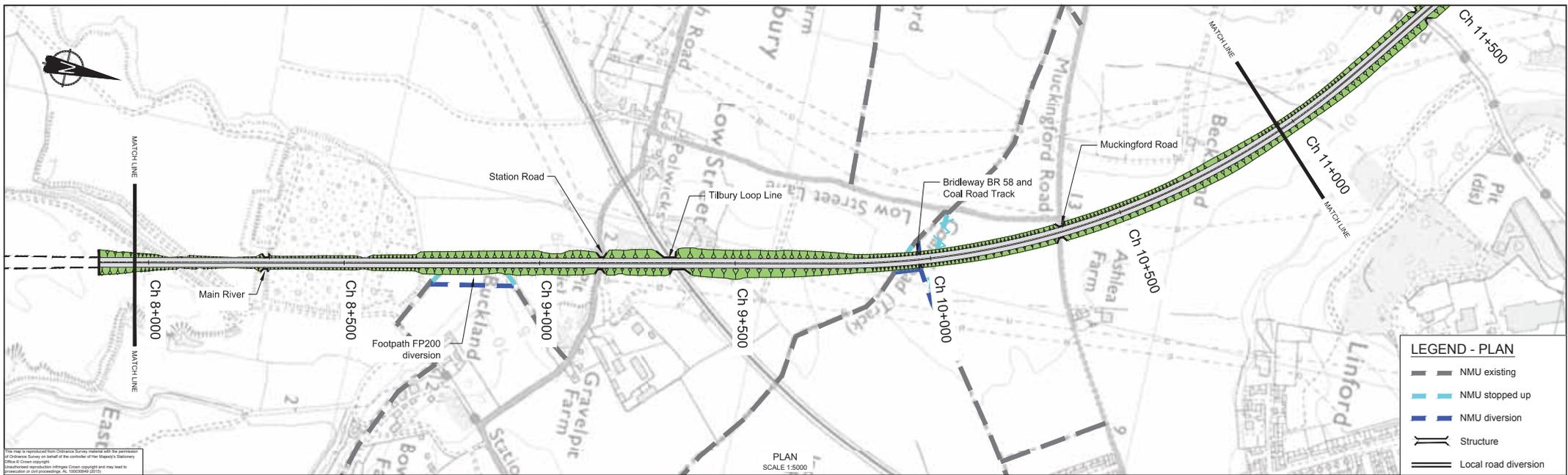
Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Route 3 Bored Tunnel Plan & Profile Sheet 5 of 10

Status	Revision
SS	P01
As shown	Date - 06-11-15
Drawn By: A Garcia	
Checked By: M Robinson	
Approved By: G Hodge	
Project No. HA PIN I Originator Original Size	A1
HA540039 HHJ	
Drawing number	HML-CD3MLZZZML-DR-RD-0104

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checkd	Apprv
P01	SS	18-01-18	SAR Issue	AG	MR	GH



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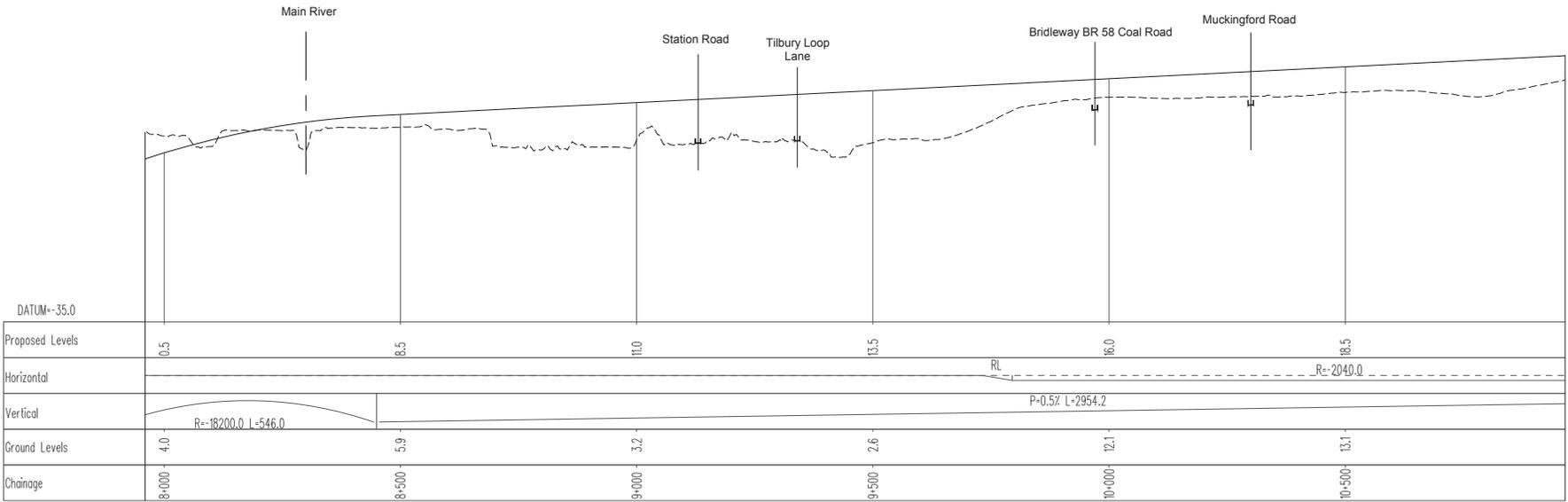
- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

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PLAN  
SCALE 1:5000

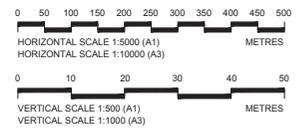
**LEGEND - PROFILE**

- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H.V SCALE 1:5000 - 1:500

- NOTES**
- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
  - The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
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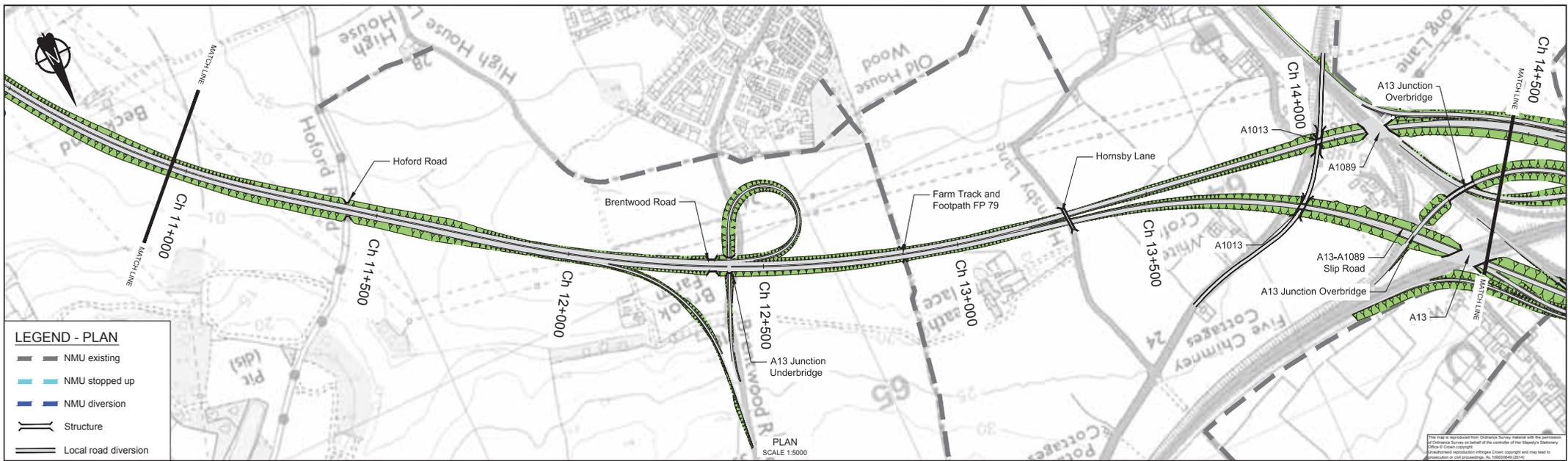
Client

Halcrow Hyder Joint Venture  
Burdurp Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project **LOWER THAMES CROSSING**

Drawing title **Route 3 Bored Tunnel Plan & Profile Sheet 6 of 10**

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV	I Originator	Original Size
	HA540039	HHJ	A1
Drawing number	HML-CD3MLZZZML-DR-RD-0105		

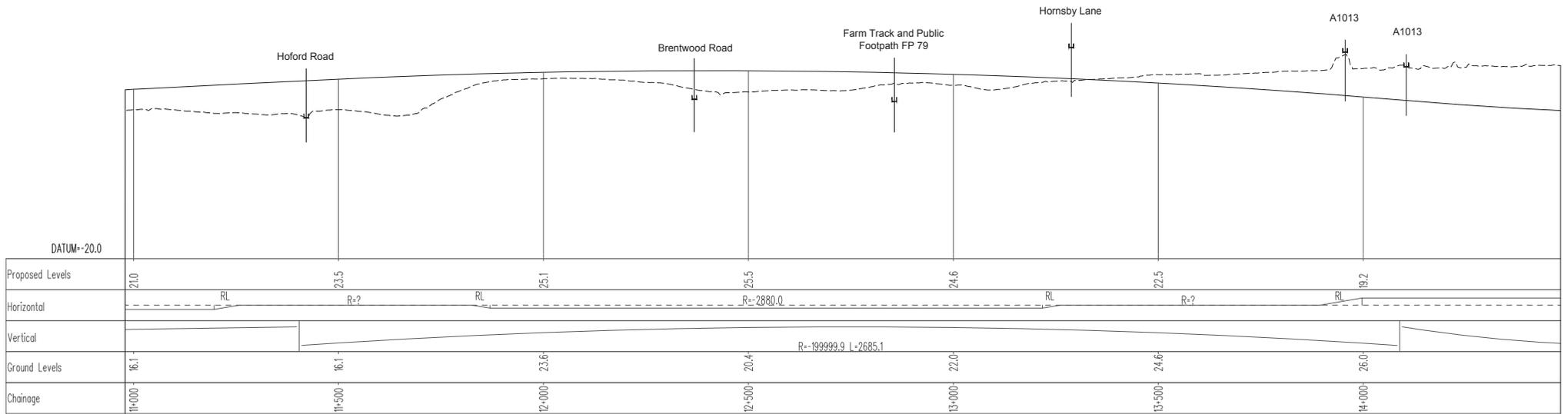


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

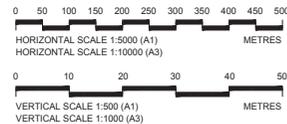
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
HV SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Client

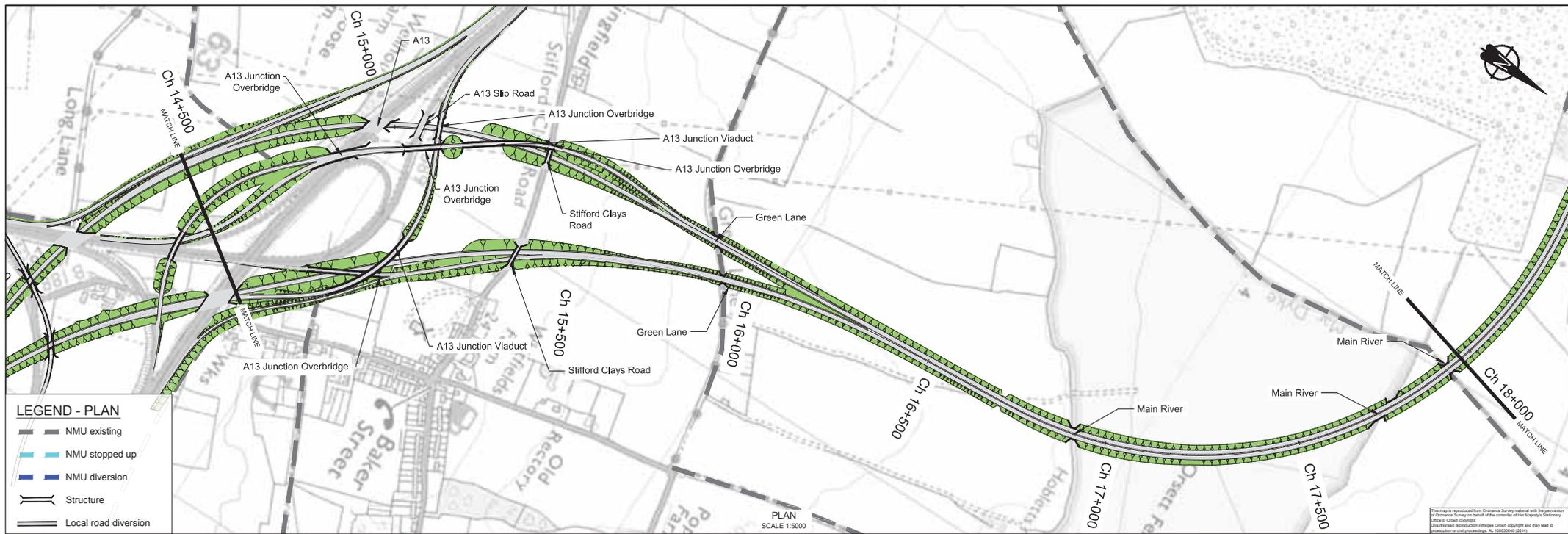
Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Route 3  
Plan & Profile  
Sheet 7 of 10

Status	SS	Revision	P01
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIV 496945	Original Size	A1
Drawing number	HML-CD3MLZZZML-DR-RD-0106		

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
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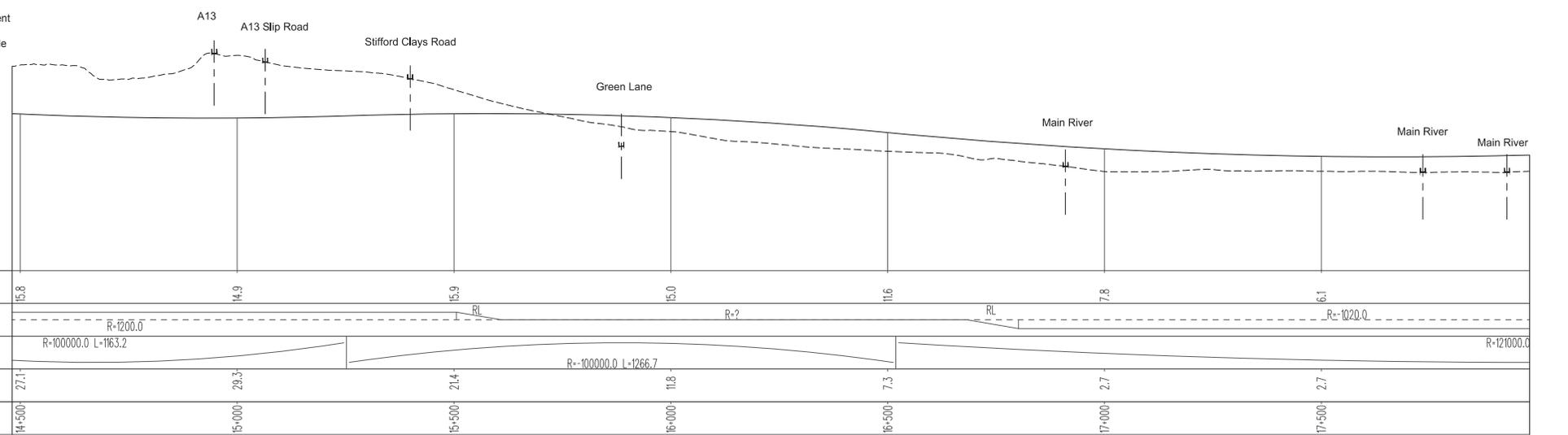


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

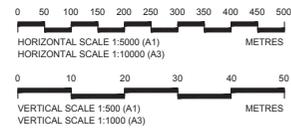
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H/V SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Client

Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project: LOWER THAMES CROSSING

Drawing title: Route 3 Plan & Profile Sheet 8 of 10

Status	SS	Revision	P01
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PA4	I Originator	Original Size
	HA540039	HHJ	A1
Drawing number	HML-CD3MLZZZML-DR-RD-0107		

P01	SS	18-01-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

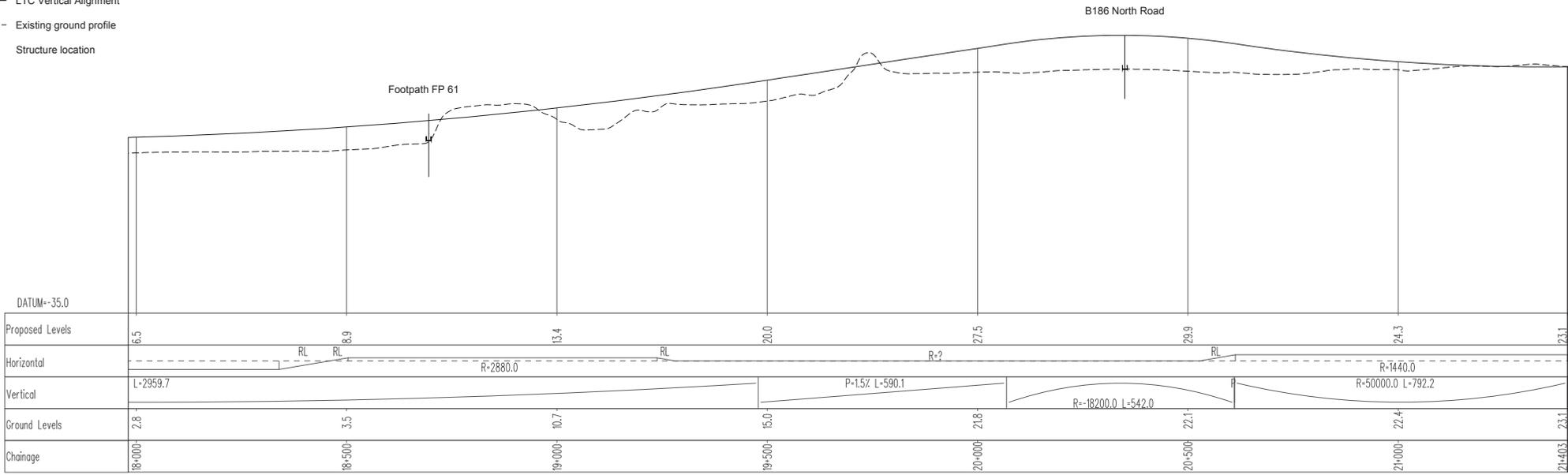


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

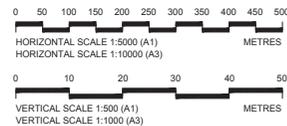
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
HV SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



ILLUSTRATIVE  
DESIGN

Client

Halcrow Hyder Joint Venture  
Burderop Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project: LOWER THAMES CROSSING

Drawing title: Route 3 Plan & Profile Sheet 9 of 10

Status	SS	Revision	P01
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PAV I Originator	Original Size	A1
Drawing number	HML-CD3MLZZZML-DR-RD-0108		

Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd
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**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

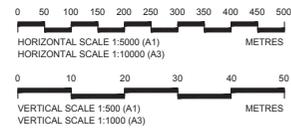
- LTC Vertical Alignment
- Existing ground profile
- Structure location

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PLAN SCALE 1:5000

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
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**ILLUSTRATIVE DESIGN**

PO1	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

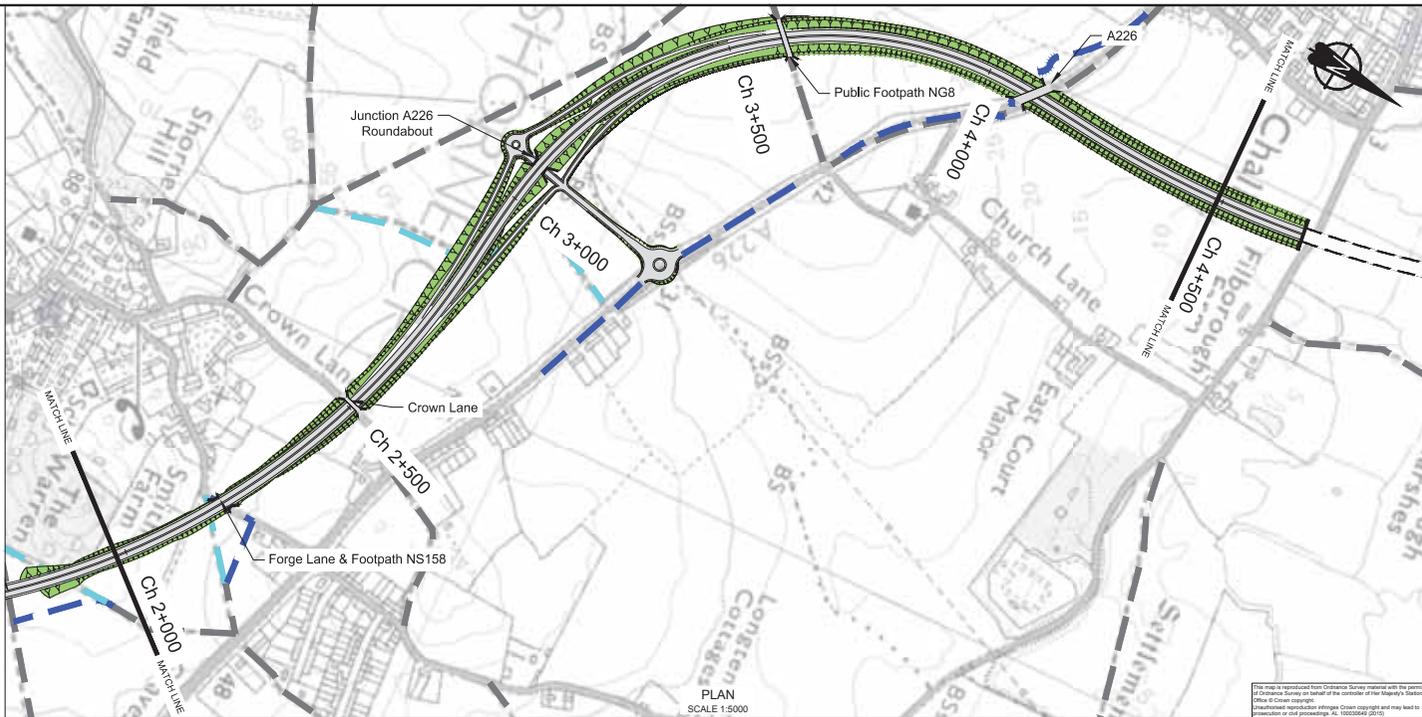
Client

Halcrow Hyder Joint Venture  
 Burderop Park  
 Swindon, SN4 0QD  
 Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 3 Plan & Profile Sheet 10 of 10

Status	SS	Revision	PO1
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PAV 496945	Originator	HHJ
Original Size			A1
Drawing number	HML-CD3MLZZZML-DR-RD-0109		

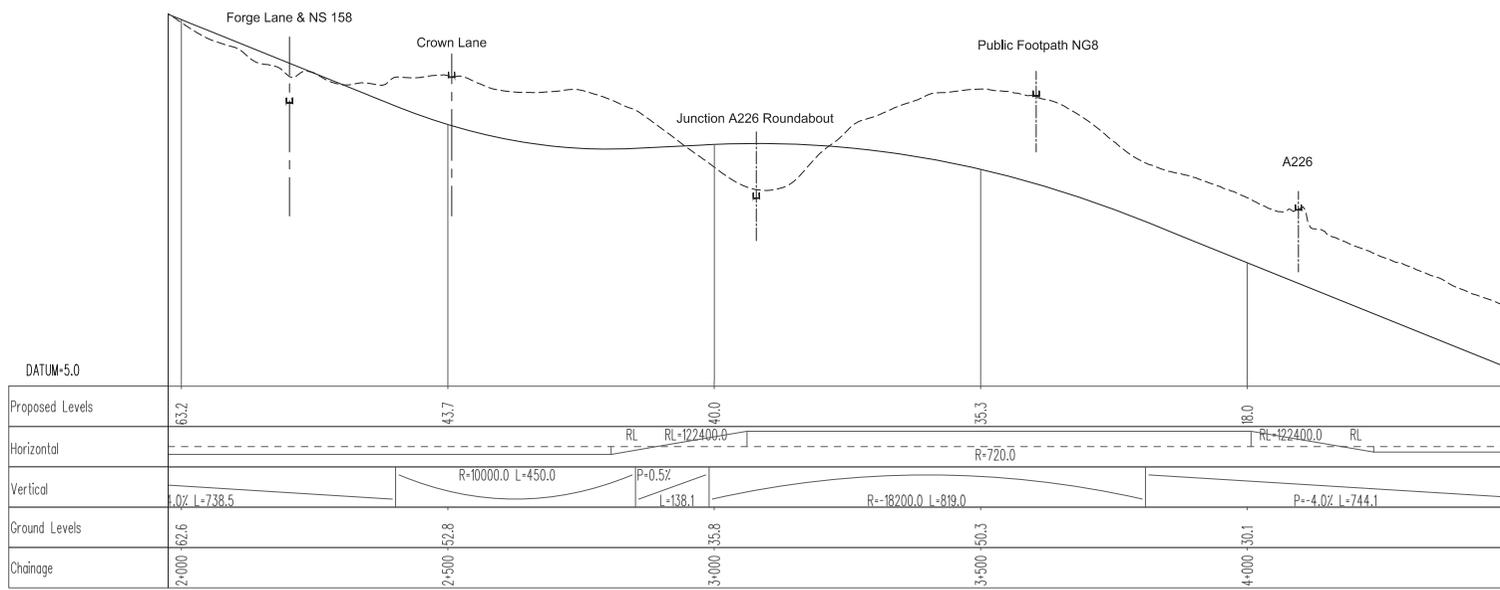


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

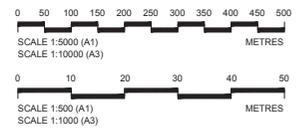
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H/V SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	AG	MR	GH

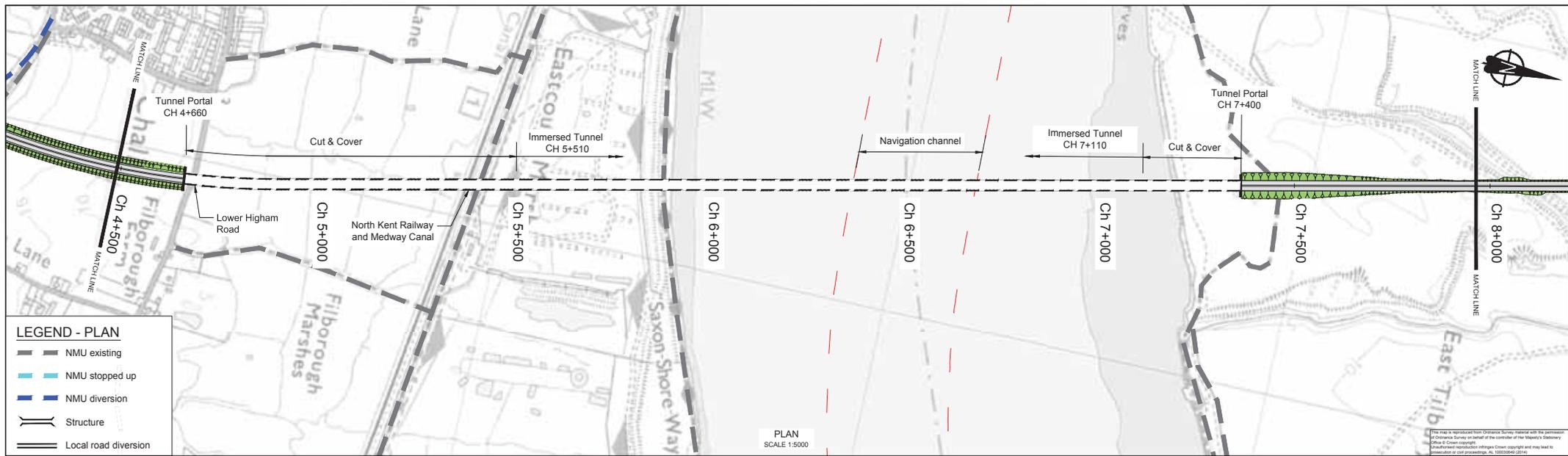
Client

Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 3 Immersed Tunnel Plan & Profile Sheet 4 of 10

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia	Checked By	M Robinson
Approved By	G Hodge	Project No.	HA PHV I Originator
	HA540039	HHJ	Original Size
Drawing number	HML-CD3MLZZZML-DR-RD-0203		



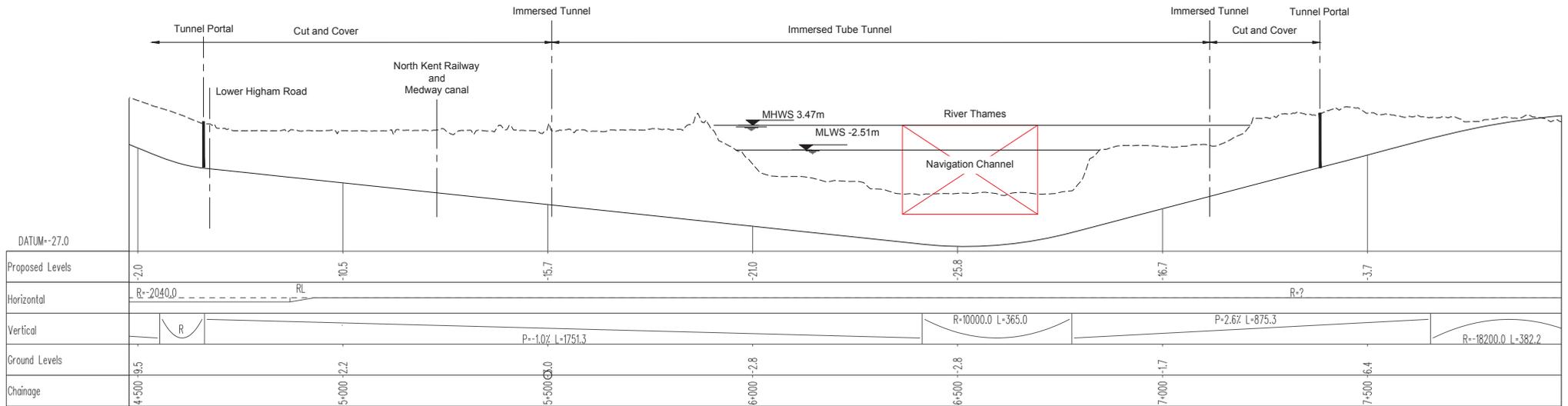
**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

PLAN  
SCALE 1:5000

**LEGEND - PROFILE**

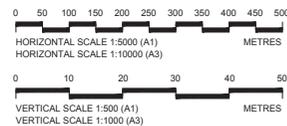
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H/V SCALE 1:5000 - 1:500

**NOTES**

1. For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
2. The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Client

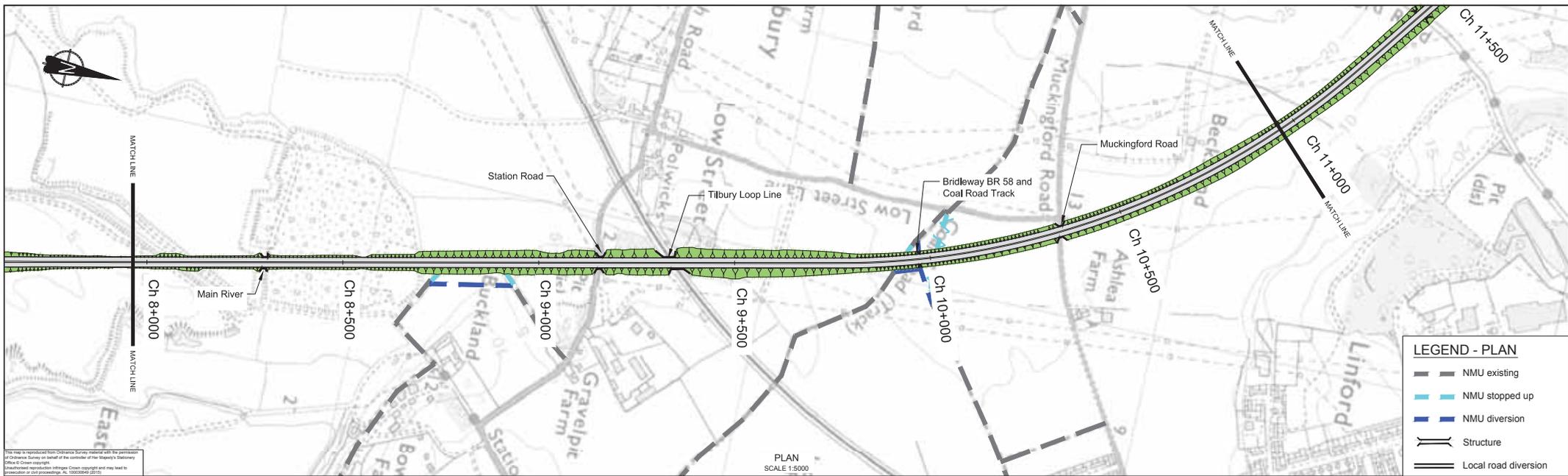
Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project **LOWER THAMES CROSSING**

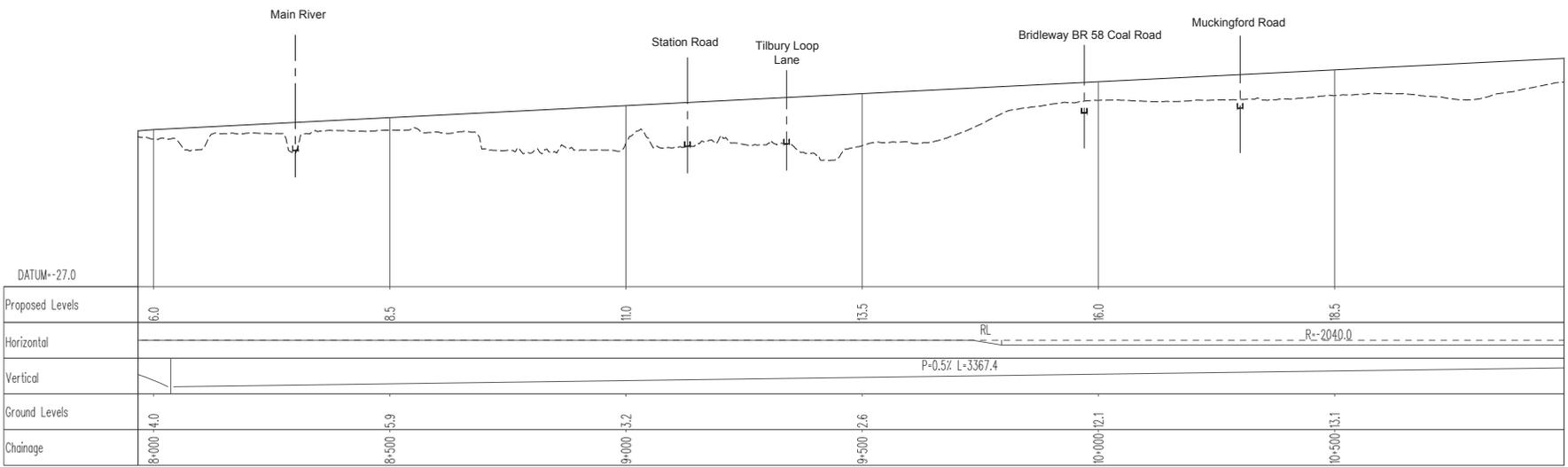
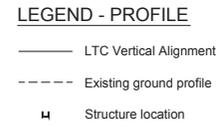
Drawing title **Route 3 Immersed Tunnel Plan & Profile Sheet 5 of 10**

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV HA540039	Originator	HHJ
Original Size			A1
Drawing number	HML-CD3MLZZZML-DR-RD-0204		

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	AG	MR	CH

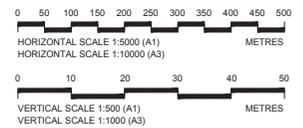


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**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Client

Halcrow Hyder Joint Venture  
Burdurp Park  
Swindon, SN4 0QD  
Tel. +44(0)1793 812479

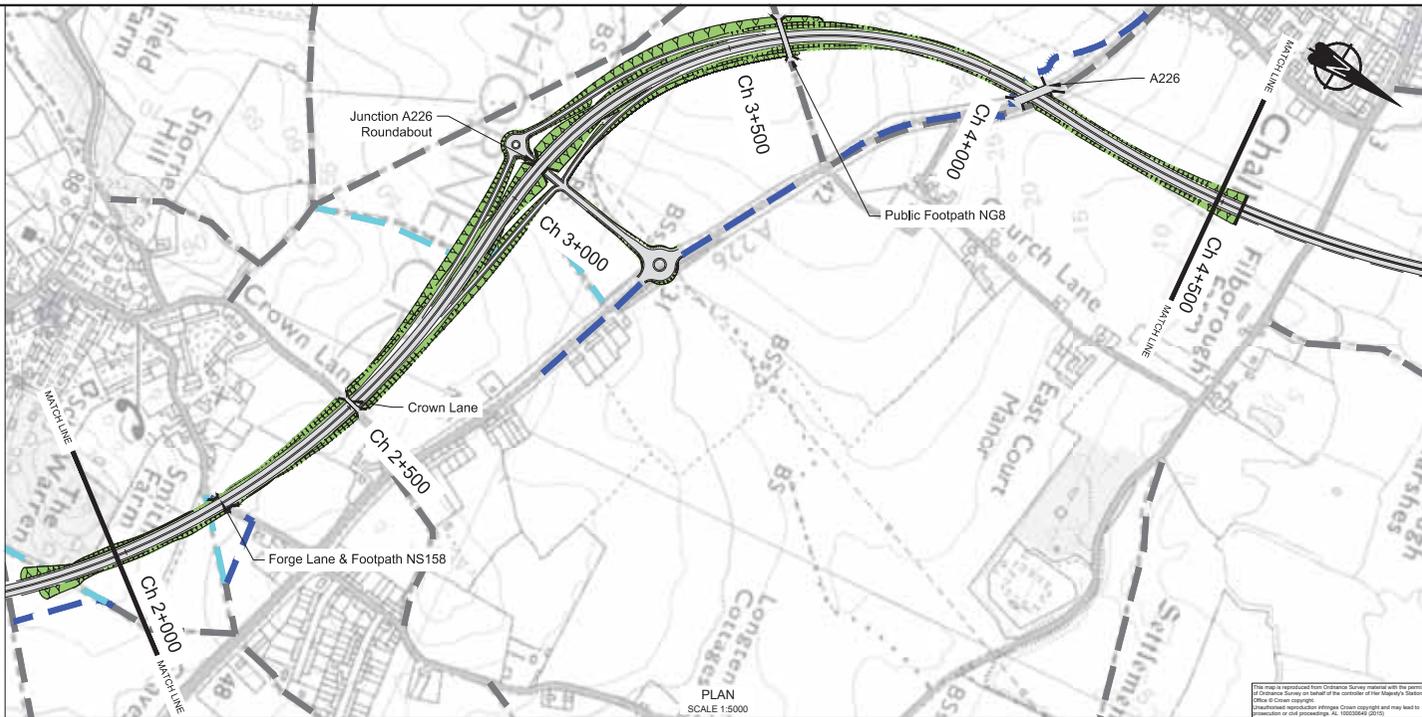
Project LOWER THAMES CROSSING

Route 3 Immersed Tunnel

Plan & Profile Sheet 6 of 10

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV	Originator	Original Size
HA540039	HHJ		A1
Drawing number	HML-CD3MLZZZML-DR-RD-0205		

P01	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



**LEGEND - PLAN**

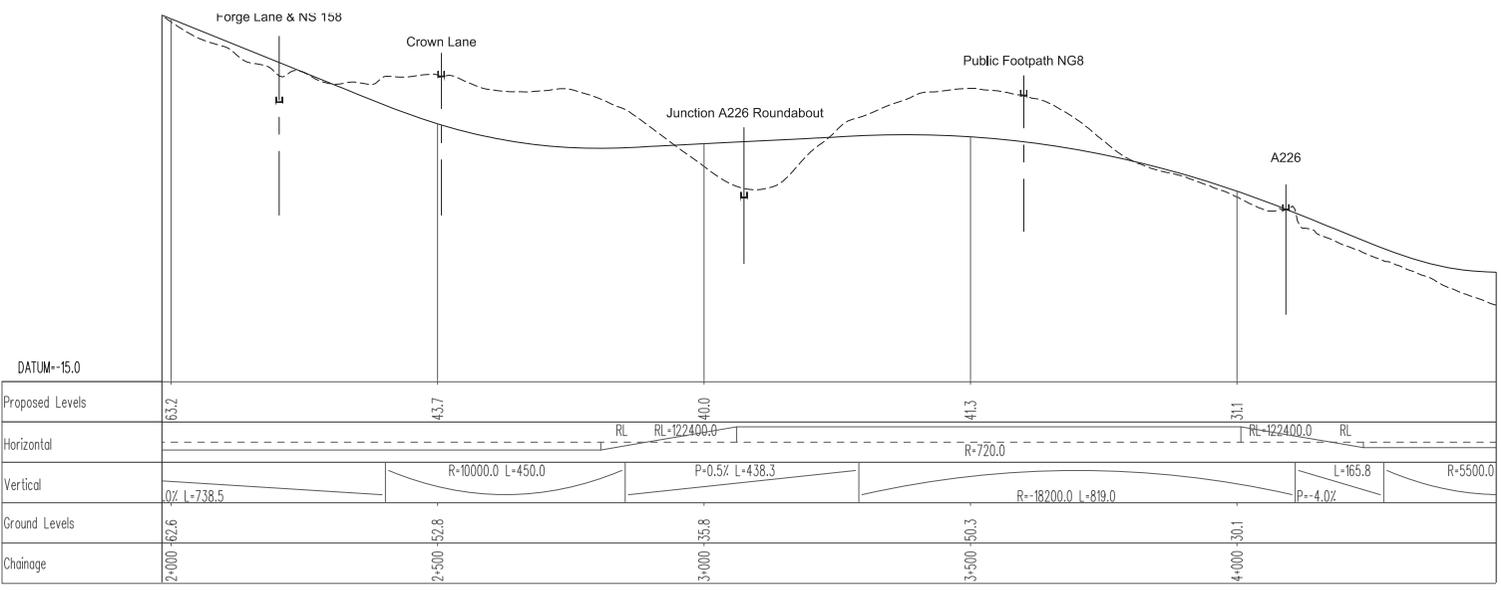
- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

PLAN  
SCALE 1:5000

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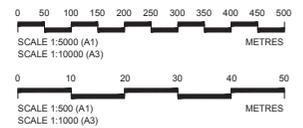
**LEGEND - PROFILE**

- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
HV SCALE 1:5000 - 1:500

- NOTES**
- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
  - The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	AG	MR	GH

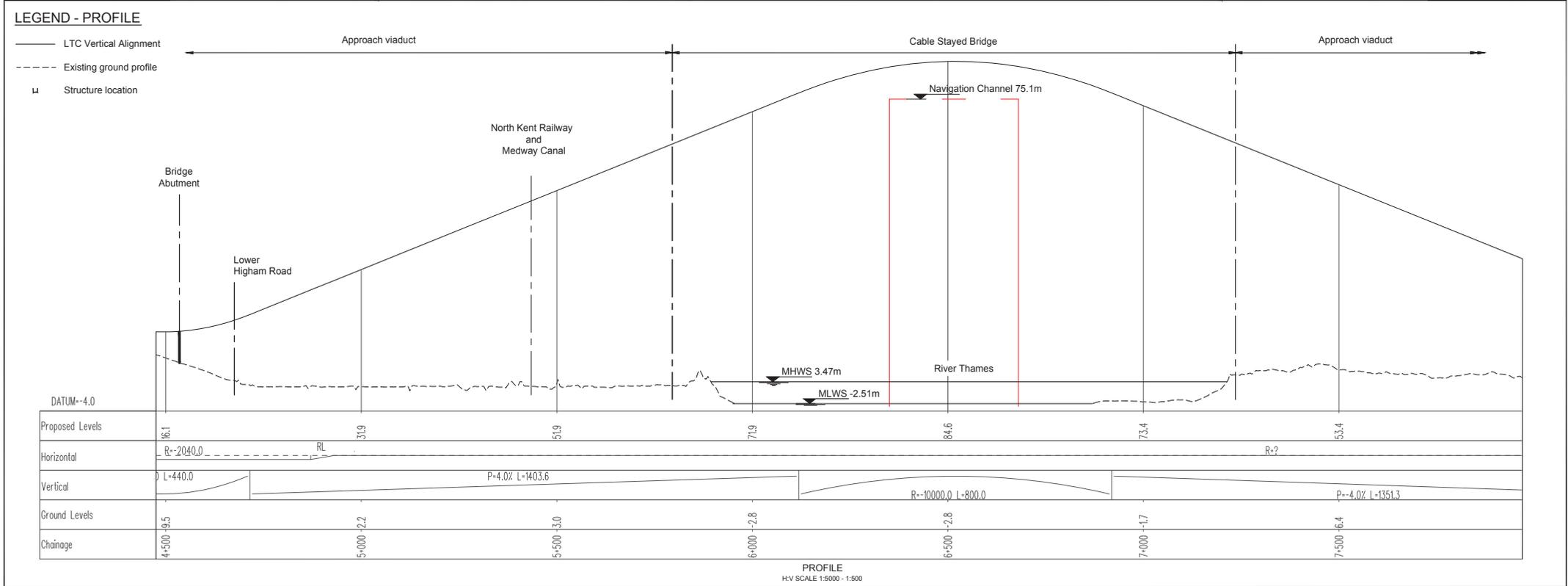
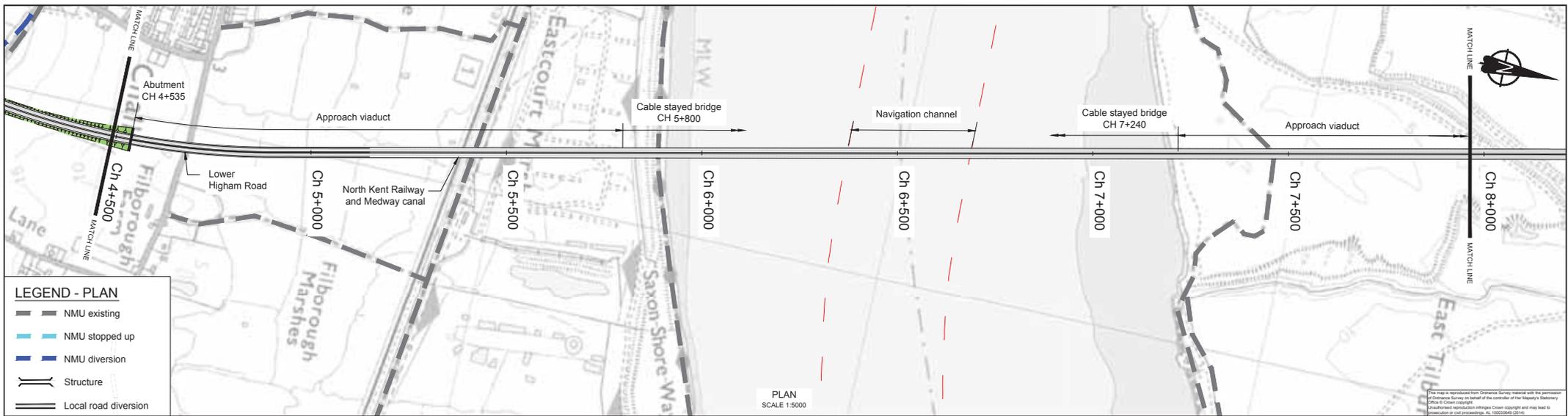
Client

Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 3 Bridge Plan & Profile Sheet 4 of 10

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV I Originator	Original Size	A1
HA540039	HHJ		
Drawing number	HML-CD3MLZZZML-DR-RD-0303		



P01	SS	18-01-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

0 50 100 150 200 250 300 350 400 450 500  
HORIZONTAL SCALE 1:5000 (A1)  
HORIZONTAL SCALE 1:10000 (A3)  
METRES

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VERTICAL SCALE 1:500 (A1)  
VERTICAL SCALE 1:1000 (A3)  
METRES

**ILLUSTRATIVE DESIGN**

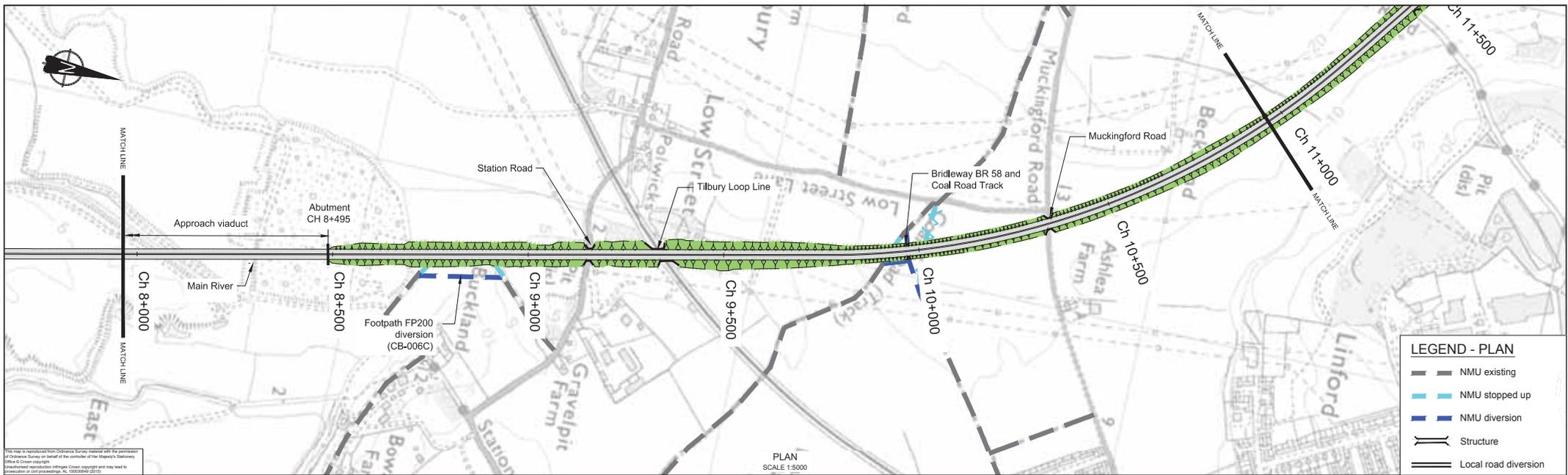
Client

Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 3 Bridge Plan & Profile Sheet 5 of 10

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodges		
Project No.	HA PHV I Originator	Original Size	A1
HA540039	HHJ		
Drawing number	HML-CD3MLZZZML-DR-RD-0304		



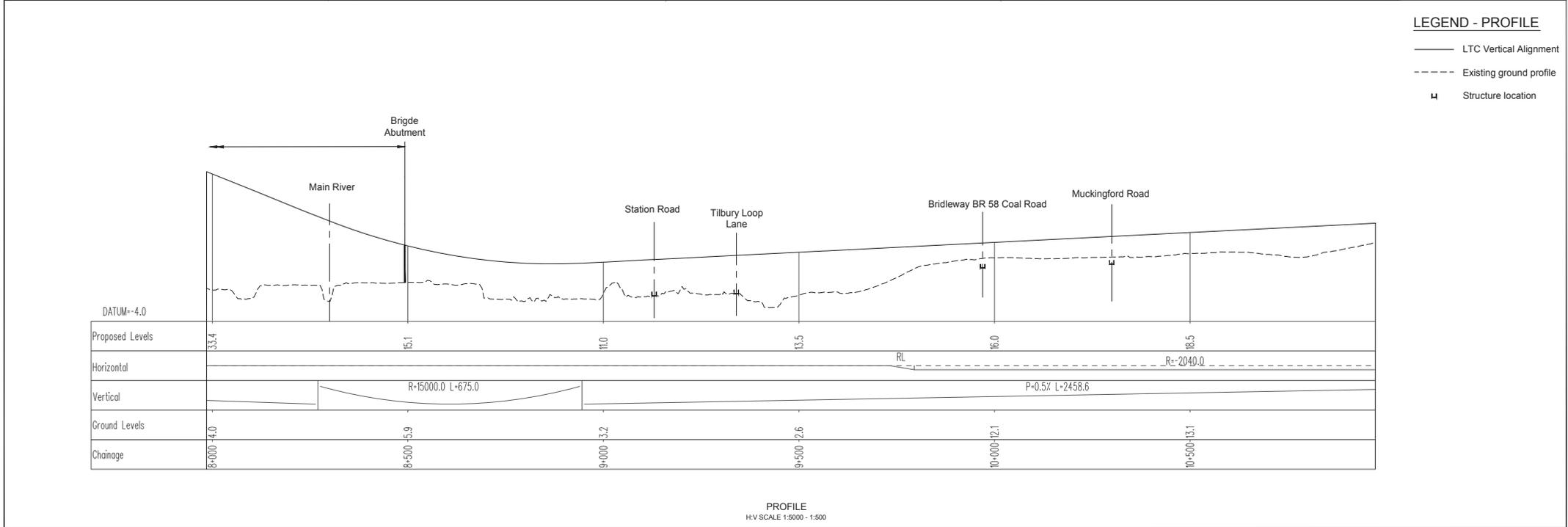
**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

- LTC Vertical Alignment
- Existing ground profile
- Structure location

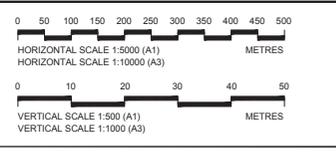
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PO1	SS	18-01-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**NOTES**

- For key plan refer to drawing HML-CD3MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Client

Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project: LOWER THAMES CROSSING

Route 3 Bridge

Plan & Profile Sheet 6 of 10

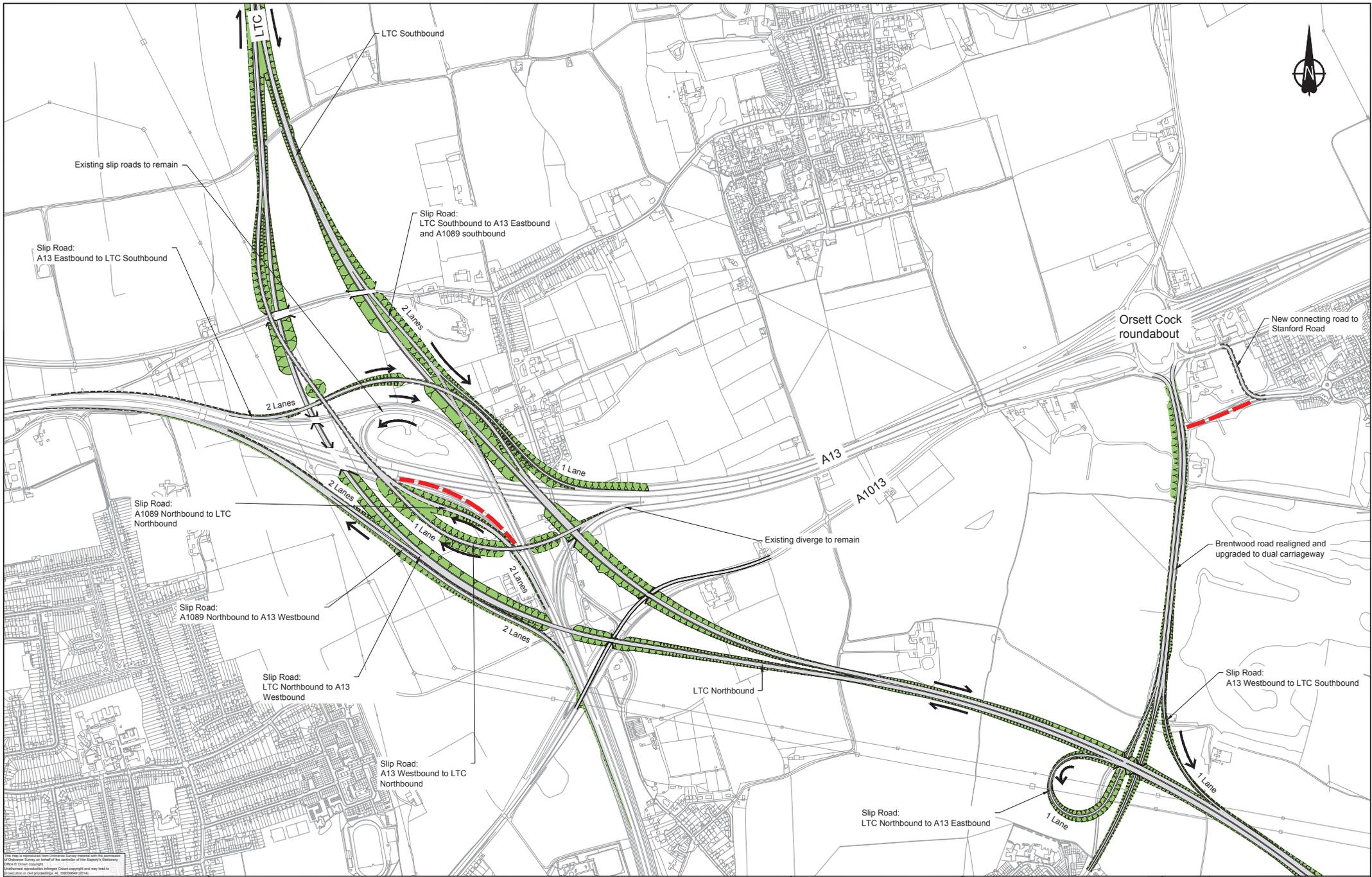
Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia	Checked By	M Robinson
Approved By	G Hodge	Project No.	HA PIV HA540039
Original Size	A1	Original Date	
Drawing number	HML-CD3MLZZZML-DR-RD-0305		

# **Appendix 3.19**

## **Route 3 Brentwood Road Junction and A13 Junction**

---

Route 3 A13 Free Flow Junction



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P01	SS	18-01-18	SAR Issue	ASM	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

	Direction of traffic flow
	Structure
	Existing road stopped up
	Local road diversion

**NOTES:**

- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

**ILLUSTRATIVE DESIGN**

0 50 100 150 200 250 300 350 400 450 500  
SCALE 1:5000 (A1)  
SCALE 1:10000 (A3) METRES

Client

**Halcrow Hyder Joint Venture**  
Burdorop Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project **LOWER THAMES CROSSING**

Route 3  
**A13 Freeflow Junction**

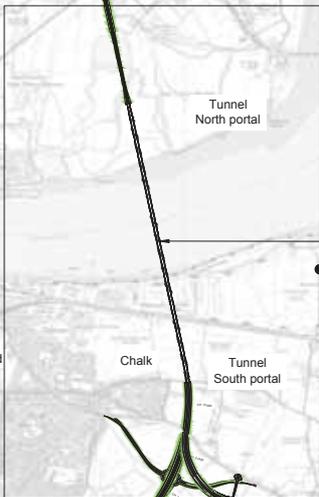
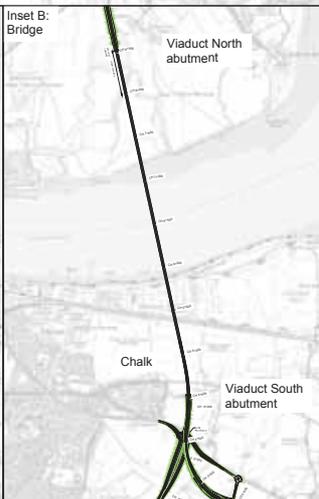
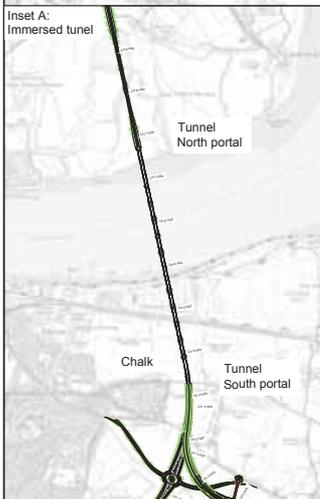
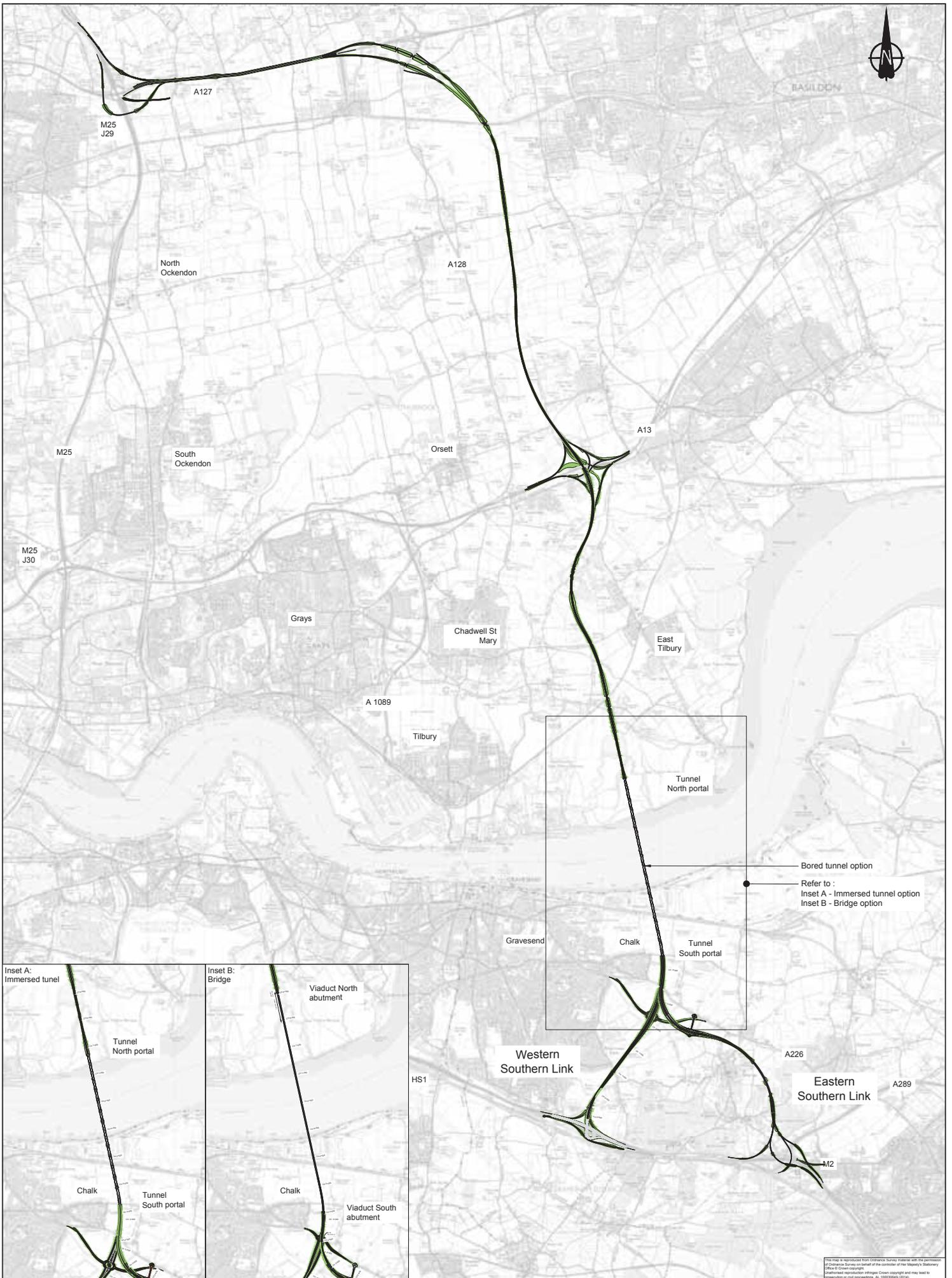
Status	SS	Revision	P01
Scale	1:5000	Date	06-11-15
Drawn By	A Sanchez Muñoz	Checked By	M Robinson
Approved By	G Hodgson	Project No.	HA PHV I Originator
Project No.	HA PHV I Originator	Original Size	A1
Drawing number	HML-CD3JC03AJL-DR-RD-0001		

## Appendix 3.20

### Route 4 Plan and Profile Drawings

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Route 4 Layout Plan  
Route 4 General Plan Sheet 1 of 11  
Route 4 plan and profile Sheet 2 of 11  
Route 4 plan and profile Sheet 3 of 11  
Route 4 bored tunnel plan and profile Sheet 4 of 11  
Route 4 bored tunnel plan and profile Sheet 5 of 11  
Route 4 bored tunnel plan and profile Sheet 6 of 11  
Route 4 plan and profile Sheet 7 of 11  
Route 4 plan and profile Sheet 8 of 11  
Route 4 plan and profile Sheet 9 of 11  
Route 4 plan and profile Sheet 10 of 11  
Route 4 plan and profile Sheet 11 of 11  
Route 4 Immersed Tunnel plan and profile Sheet 4 of 11  
Route 4 Immersed Tunnel plan and profile Sheet 5 of 11  
Route 4 Immersed Tunnel plan and profile Sheet 6 of 11  
Route 4 Bridge plan and profile Sheet 4 of 11  
Route 4 Bridge plan and profile Sheet 5 of 11  
Route 4 Bridge plan and profile Sheet 6 of 11



Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-16	SAR Issue	ABE	MR	GH

**ILLUSTRATIVE  
DESIGN**

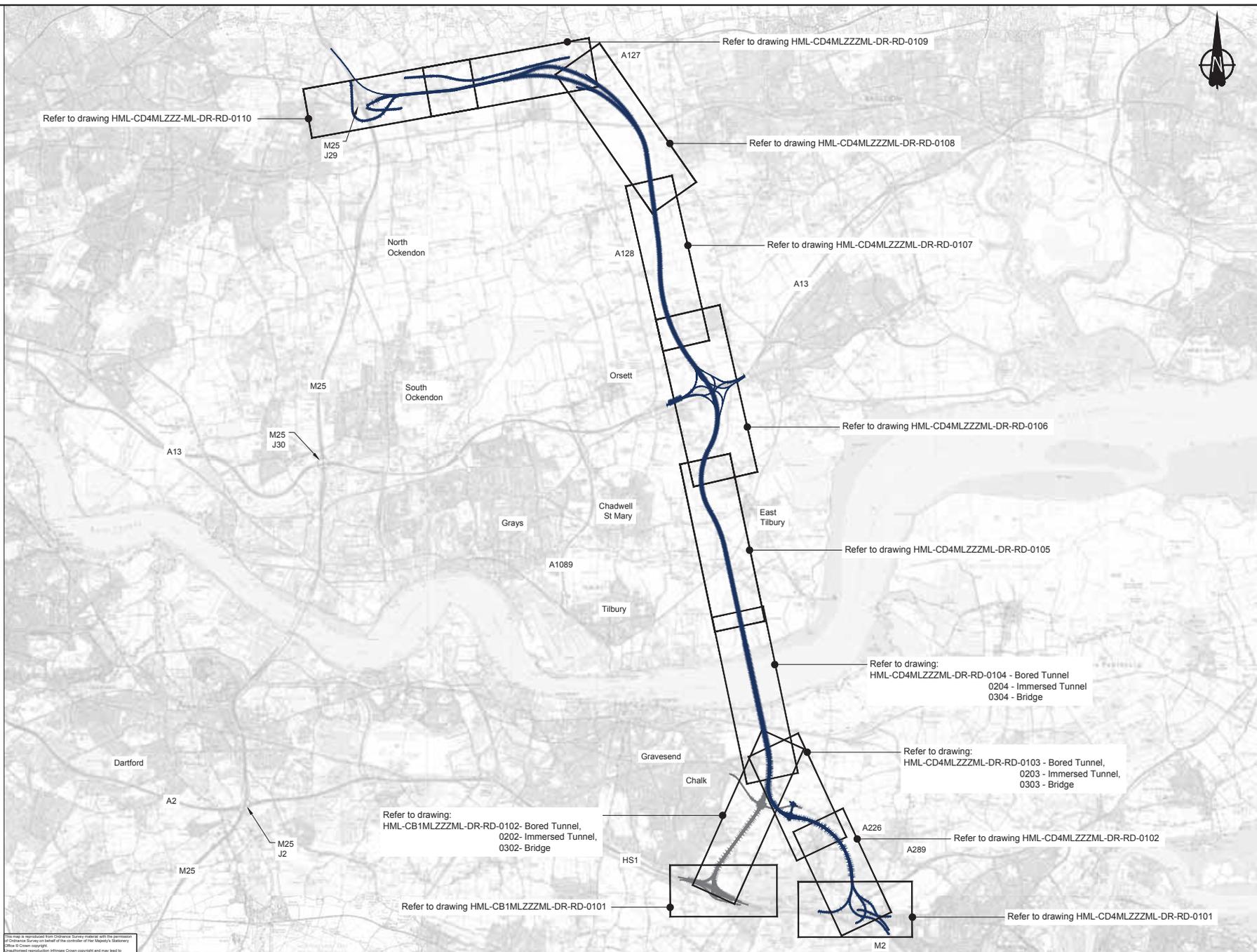
Client

**Halcrow Hyder Joint Venture**  
Burdorpe Park  
Swindon, SN4 0DD  
Tel: +44(0)1793 812478

Project **LOWER THAMES CROSSING**

Drawing title **Route 4 Layout Plan**

Status	S5	Revision	P01
Scale	NTS	Date	20-11-15
Drawn By	A Barbero Escribano		
Checked By	M Robinson		
Approved By	C Hodge		
Project No.	HA - PIN HA540039	Originator	HHJ
Original Size			A1
Drawing number	HML-CB0MLZZZML-DR-RD-1000		



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**NOTES**

1. This drawing to be viewed in colour.
2. The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

**LEGEND**

- Route 4 (Bored tunnel, Immersed Tunnel & Bridge)
- Western Southern Link (Bored tunnel, Immersed Tunnel & Bridge)

ILLUSTRATIVE  
DESIGN

Client

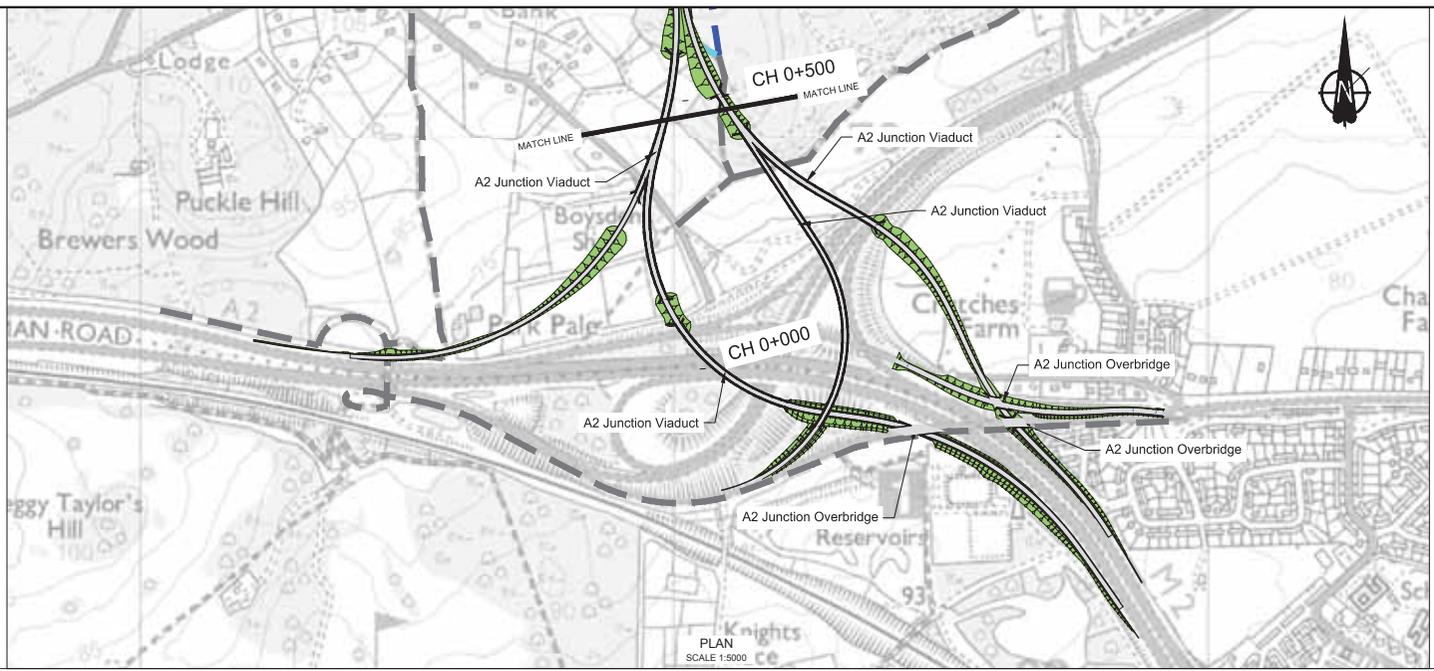
**Halcrow Hyder Joint Venture**  
 Burderop Park  
 Swindon, SN4 0QD  
 Tel: +44(0)1793 812479

Project **LOWER THAMES CROSSING**

Drawing title **Route 4 General Plan Sheet 1 of 11**

Status	SS	Revision	P01
Scale	NTS	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA_PIV_HA540039	I Originator	Original Size
	HA540039	HHJ	A1
Drawing number	HML-CD4MLZZZML-DR-RD-0100		

P01	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



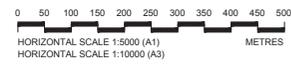
**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

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**NOTES**

1. For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
2. The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



ILLUSTRATIVE  
DESIGN

P01	SS	18-01-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Check'd	Apprv'd

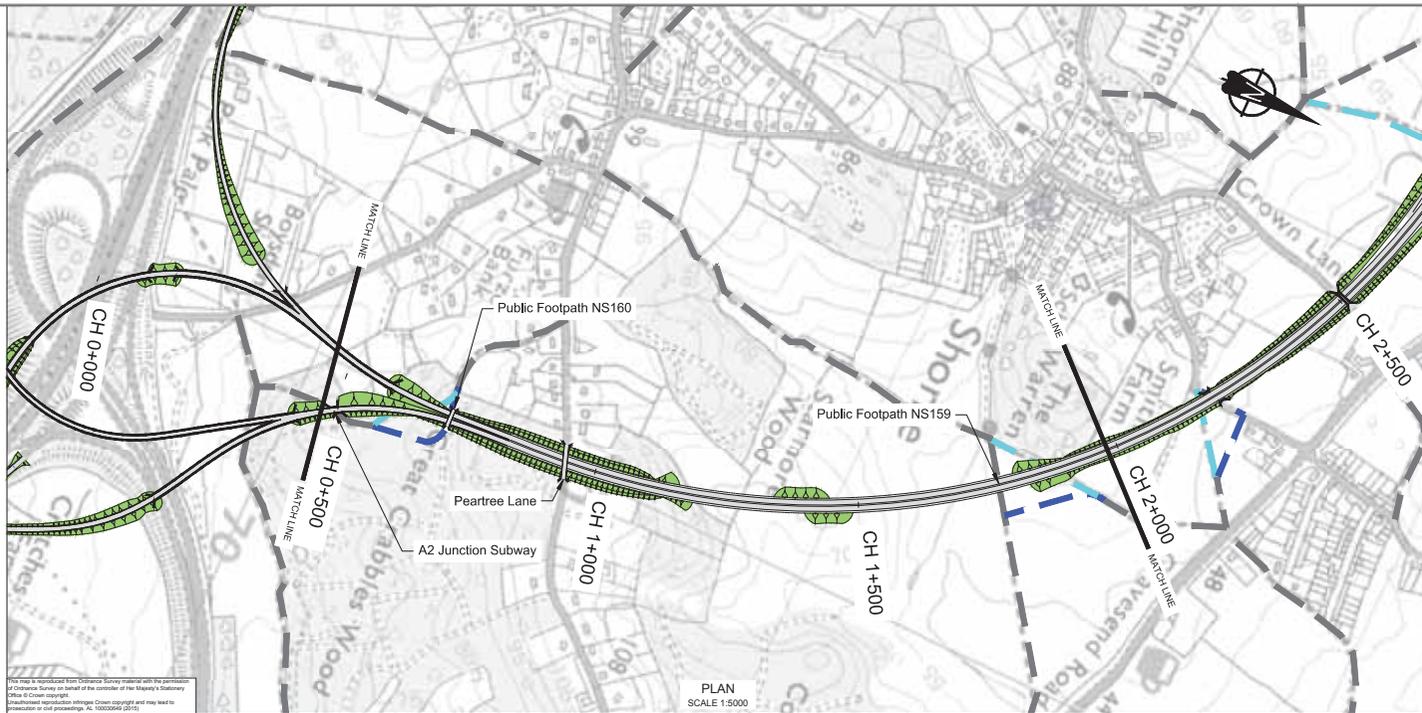
Client

**Halcrow Hyder Joint Venture**  
 Burderop Park  
 Swindon, SN4 0QD  
 Tel: +44(0)1793 812479

Project **LOWER THAMES CROSSING**

Drawing title **Route 4 Plan & Profile Sheet 2 of 11**

Status	SS	Revision	P01
Scale	As Show	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIN I Originator	Original Size	A1
	HA540039 HHJ		
Drawing number	HML-CD4MLZZZML-DR-RD-0101		



**LEGEND - PLAN**

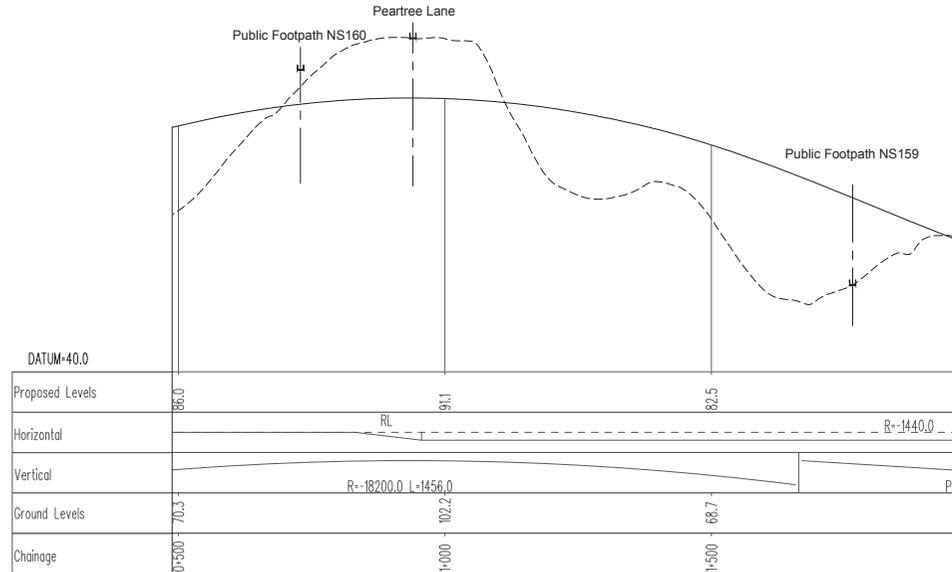
- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

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PLAN  
SCALE 1:5000

**LEGEND - PROFILE**

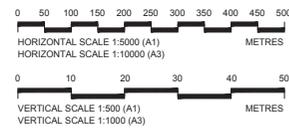
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
HV SCALE 1:5000 - 1:500

**NOTES**

- For Key Plan refer to drawing HHJ-HML-CD4MLZZZML-DR-RD-0100.
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Client

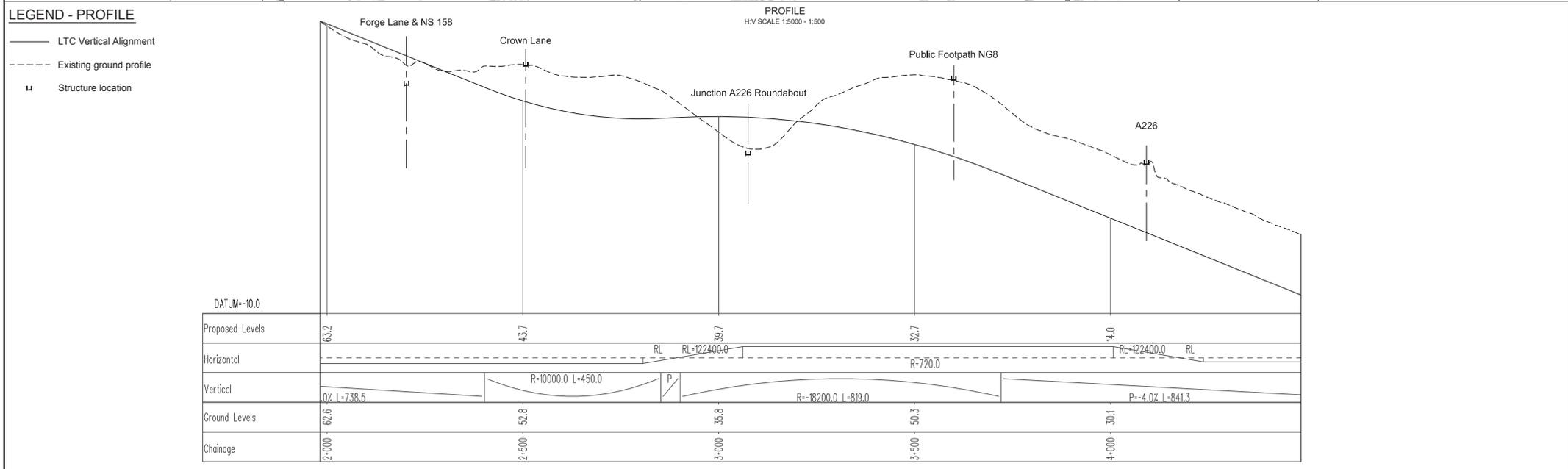
**Halcrow Hyder Joint Venture**  
Burdorop Park  
Swindon, SN4 0QD  
Tel. +44(0)1793 812479

Project **LOWER THAMES CROSSING**

Drawing title **Route 4 Plan & Profile Sheet 3 of 11**

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIN I Originator	Original Size	A1
HA	HA540039	HHJ	
Drawing number	HML-CD4MLZZZML-DR-RD-0102		

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-16	SAR Issue	AG	MR	GH



P01	SS	18-01-18	SAR Issue	AG	MR	HG
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

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SCALE 1:5000 (A1)  
SCALE 1:10000 (A3)  
METRES

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SCALE 1:500 (A1)  
SCALE 1:1000 (A3)  
METRES

**ILLUSTRATIVE DESIGN**

Client

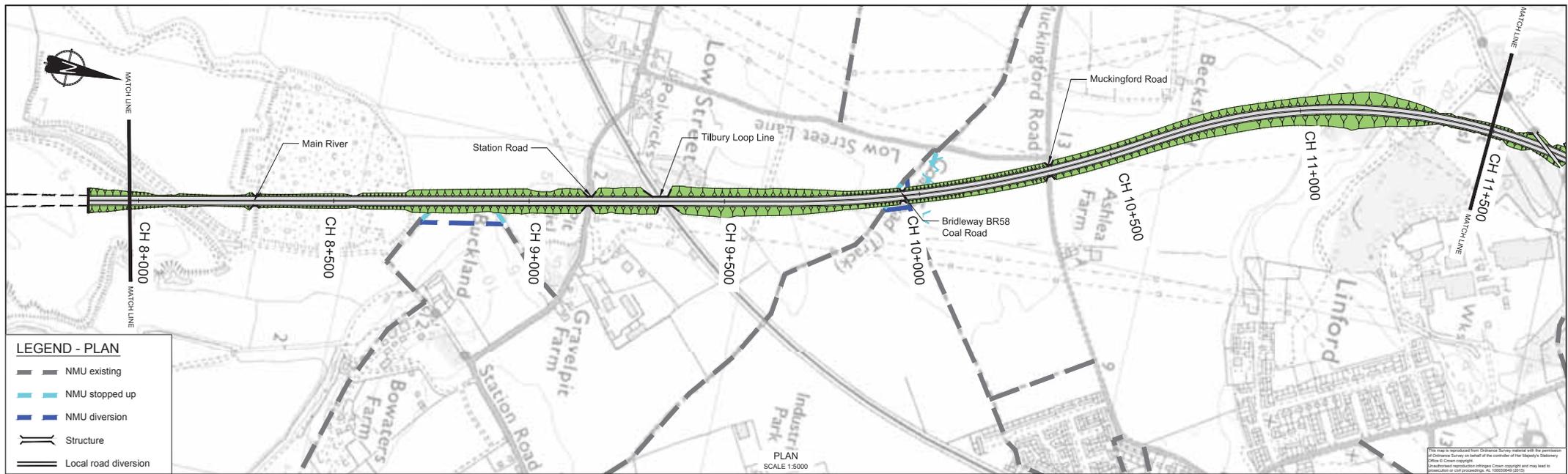
Halcrow Hyder Joint Venture  
Burderop Park  
Swindon, SN4 0QD  
Tel. +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 4 Bored Tunnel Plan & Profile Sheet 4 of 11

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV I Originator	Original Size	A1
HA540039	HHJ		
Drawing number	HML-CD4MLZZZML-DR-RD-0103		



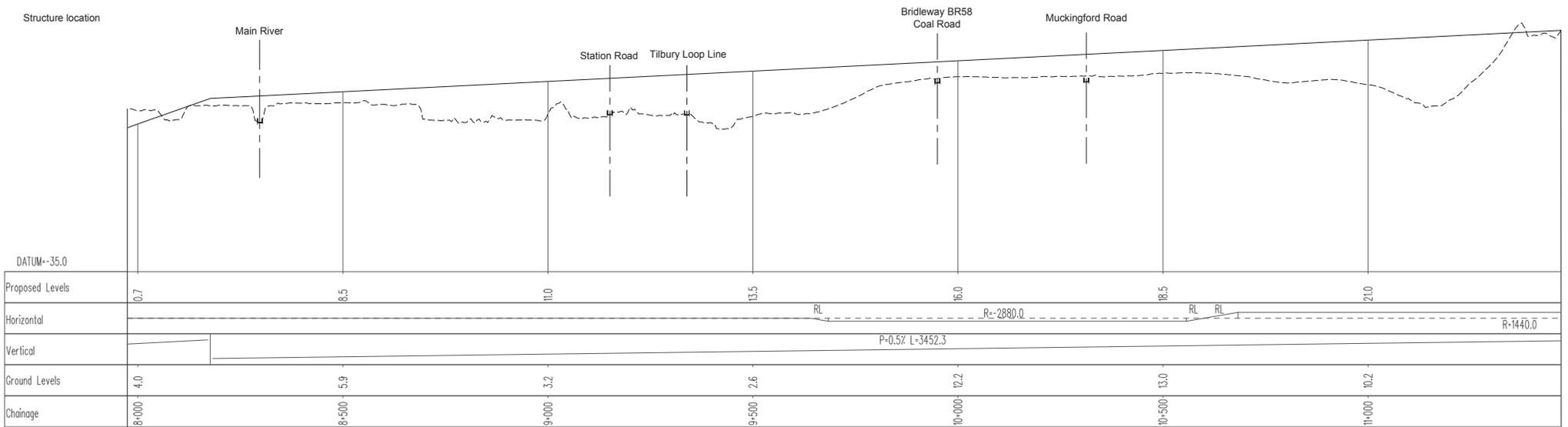


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

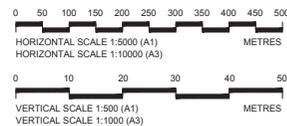
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H/V SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

Client

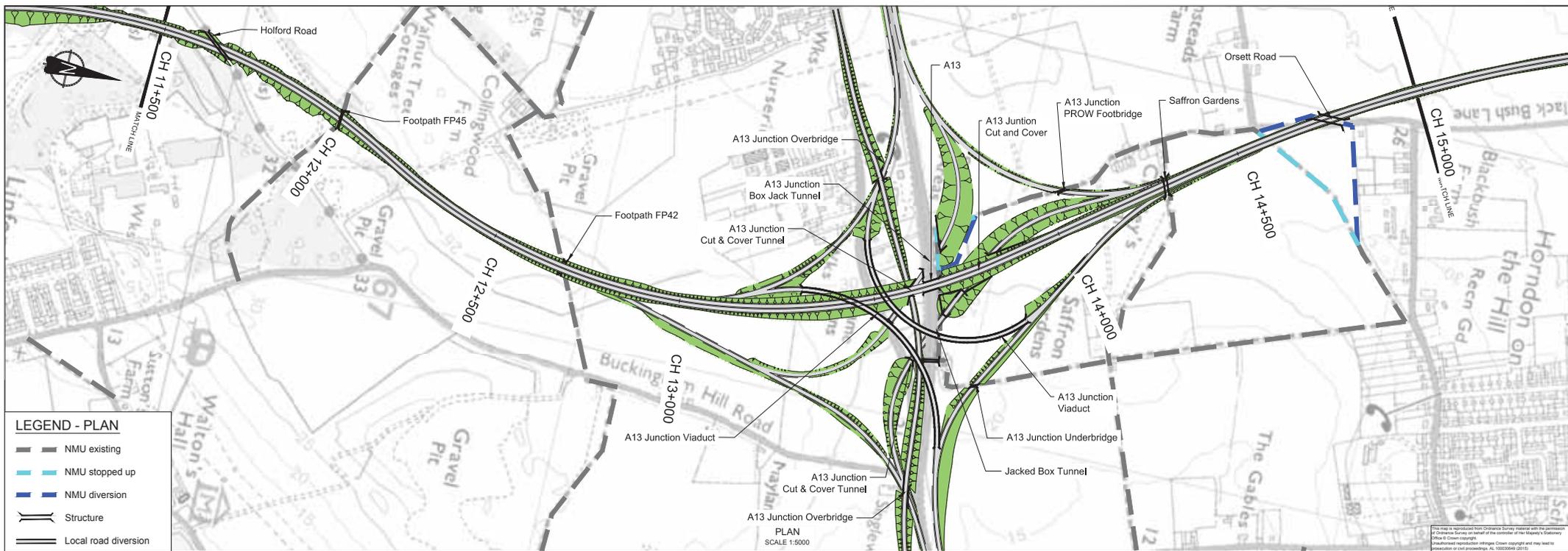
Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Route 4 Bored Tunnel Plan & Profile Sheet 6 of 11

Status	SS	Revision	P01
Scale	As shown	Date	
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV I Originator	Original Size	A1
HA540039	HHJ		
Drawing number	HML-CD4MLZZZML-DR-RD-0105		

P01	SS	18-01-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



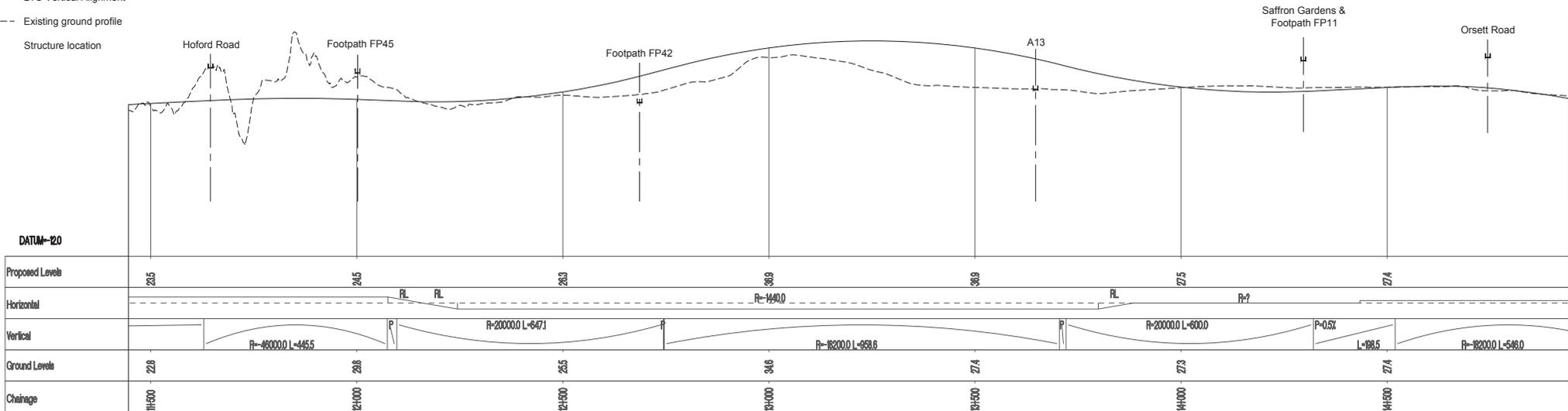
**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

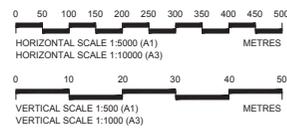
- LTC Vertical Alignment
- Existing ground profile
- Structure location

**PROFILE**  
HV SCALE 1:5000 - 1:500



**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Client: **highways england**  
**Halcrow Hyder Joint Venture**  
 Burderop Park  
 Swindon, SN4 0QD  
 Tel: +44(0)1793 612479

Project: **LOWER THAMES CROSSING**  
 Drawing title: **Route 4 Plan & Profile Sheet 7 of 11**

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PN 496945	I Originator	Original Size
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Drawing number	HML-CD4MLZZZML-DR-RD-0106		

PO1	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

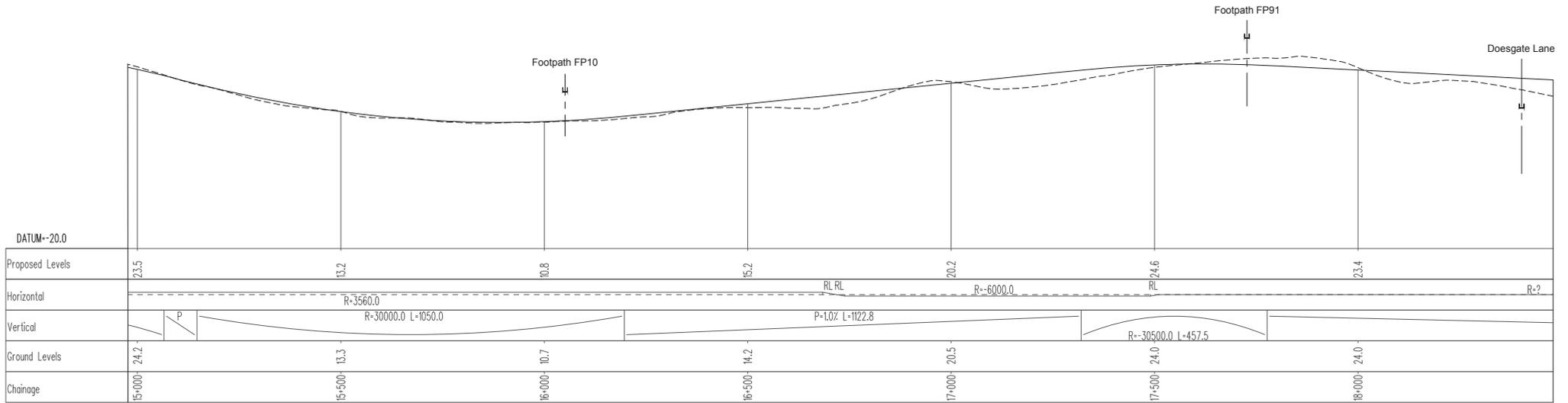


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

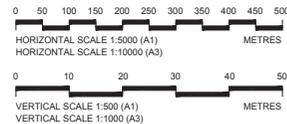
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H:V SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



ILLUSTRATIVE  
DESIGN

Client

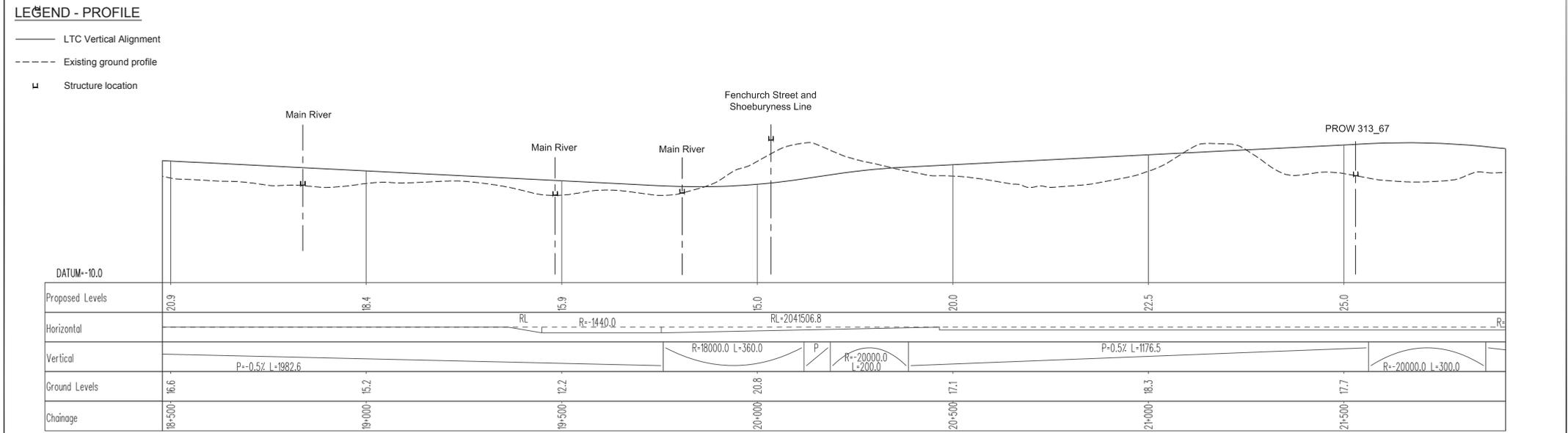
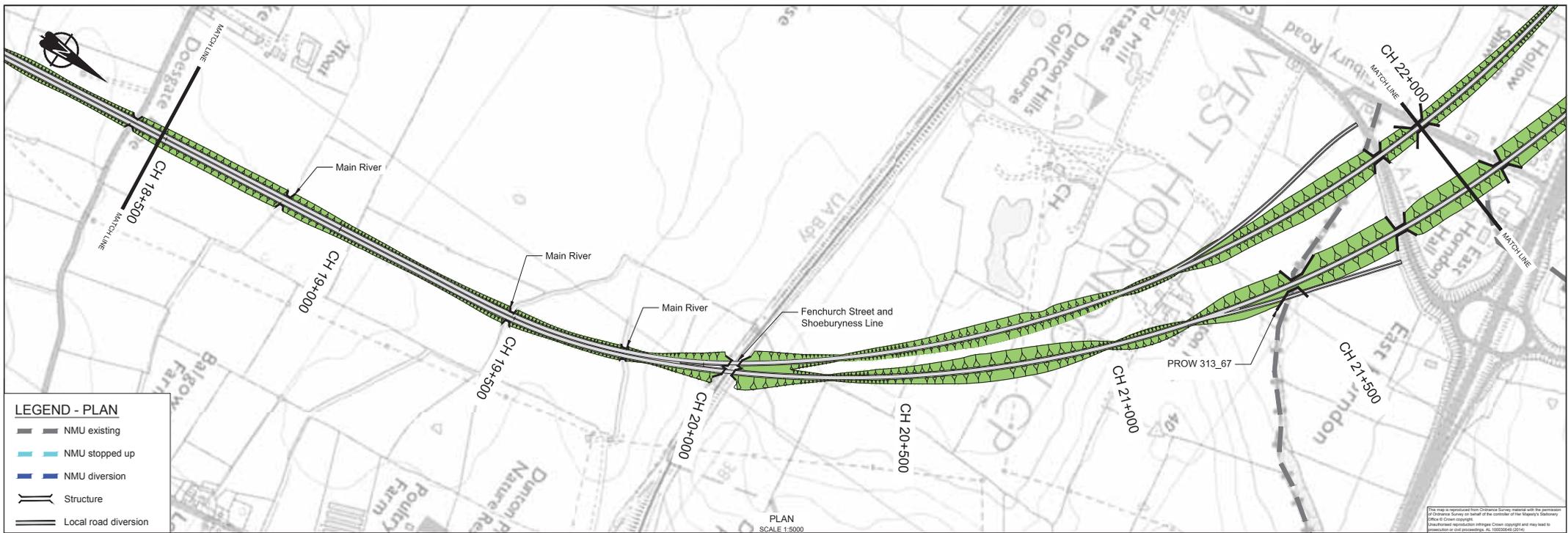
Halcrow Hyder Joint Venture  
Burdorpe Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 4 Plan & Profile Sheet 8 of 11

Status	SS	Revision	P01
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIN 496945	I Originator	Original Size
Drawing number	HHJ		A1
HML-CD4MLZZZML-DR-RD-0107			

P01	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

PO1	SS	18-01-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**ILLUSTRATIVE DESIGN**

HORIZONTAL SCALE 1:5000 (A1)  
HORIZONTAL SCALE 1:10000 (A3)  
METRES

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0 10 20 30 40 50

VERTICAL SCALE 1:500 (A1)  
VERTICAL SCALE 1:1000 (A3)  
METRES

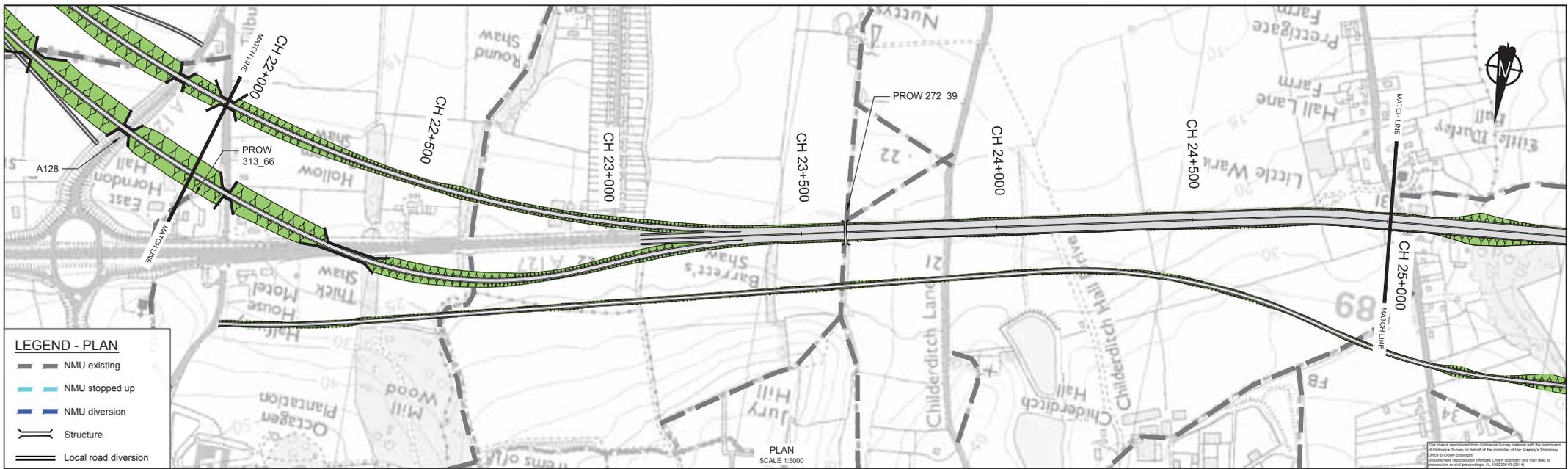
Client

Halcrow Hyder Joint Venture  
Burderop Park  
Swindon, SN4 0QD  
Tel. +44(0)1753 812479

Project LOWER THAMES CROSSING

Drawing title Route 4 Plan & Profile Sheet 9 of 11

Status	SS	Revision	PO1
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M. Robertson		
Approved By	G. Hodge		
Project No.	HA PA4	I Originator	Original Size
	HA540039	HHJ	A1
Drawing number	HML-CD4MLZZZML-DR-RD-0108		

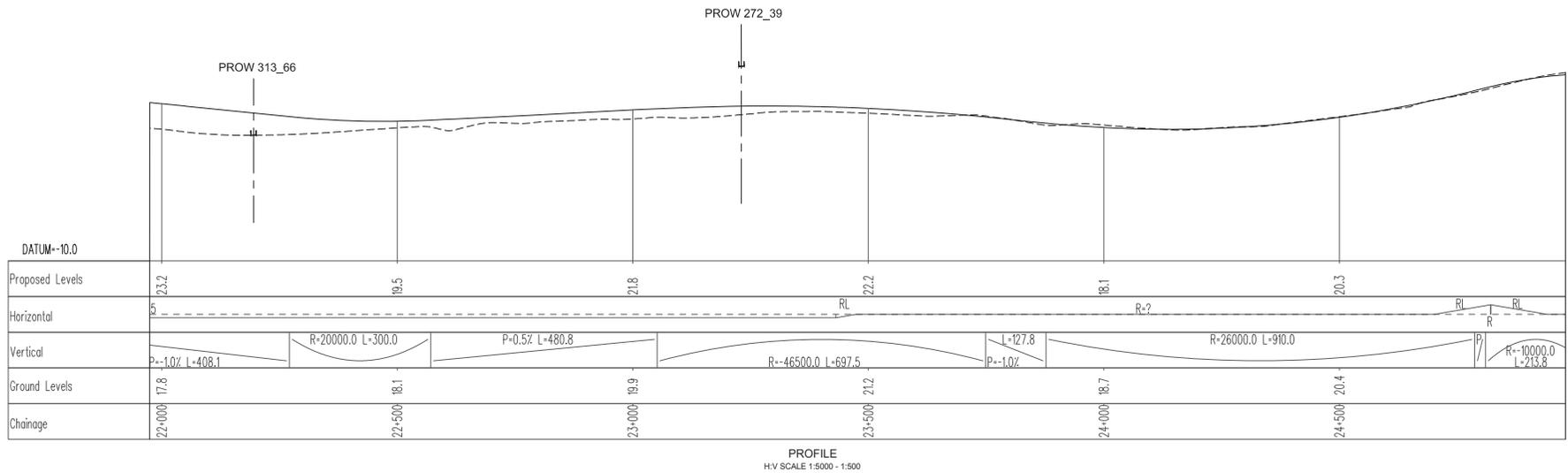


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

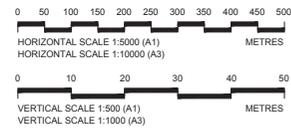
**LEGEND - PROFILE**

- LTC Vertical Alignment
- Existing ground profile
- Structure location



**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE DESIGN**

Client

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Burdorpe Park  
Swindon, SN4 0QD  
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Project **LOWER THAMES CROSSING**

Route 4  
Plan & Profile  
Sheet 10 of 11

Status	SS	Revision	P01
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PAU 496945	Originator	HHJ
Original Size			A1
Drawing number	HML-CD4MLZZZML-DR-RD-0109		

P01	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

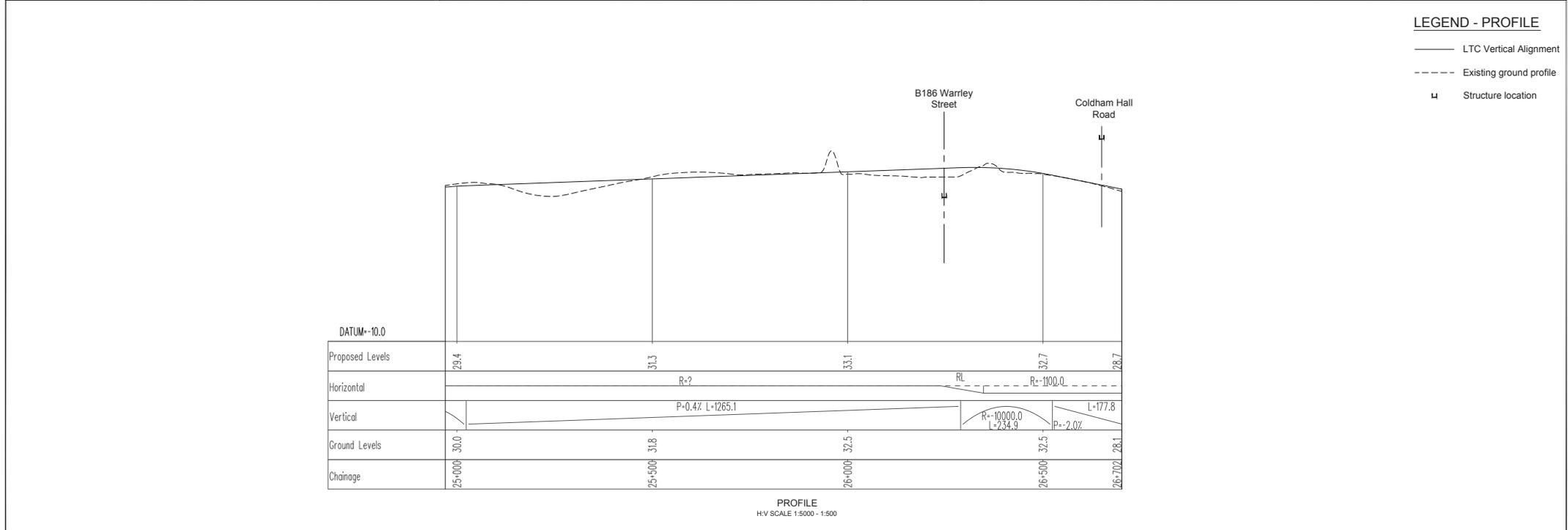


**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

**LEGEND - PROFILE**

- LTC Vertical Alignment
- Existing ground profile
- Structure location



P01	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

HORIZONTAL SCALE 1:5000 (A1)  
HORIZONTAL SCALE 1:10000 (A3)

VERTICAL SCALE 1:500 (A1)  
VERTICAL SCALE 1:1000 (A3)

**ILLUSTRATIVE  
DESIGN**

Client

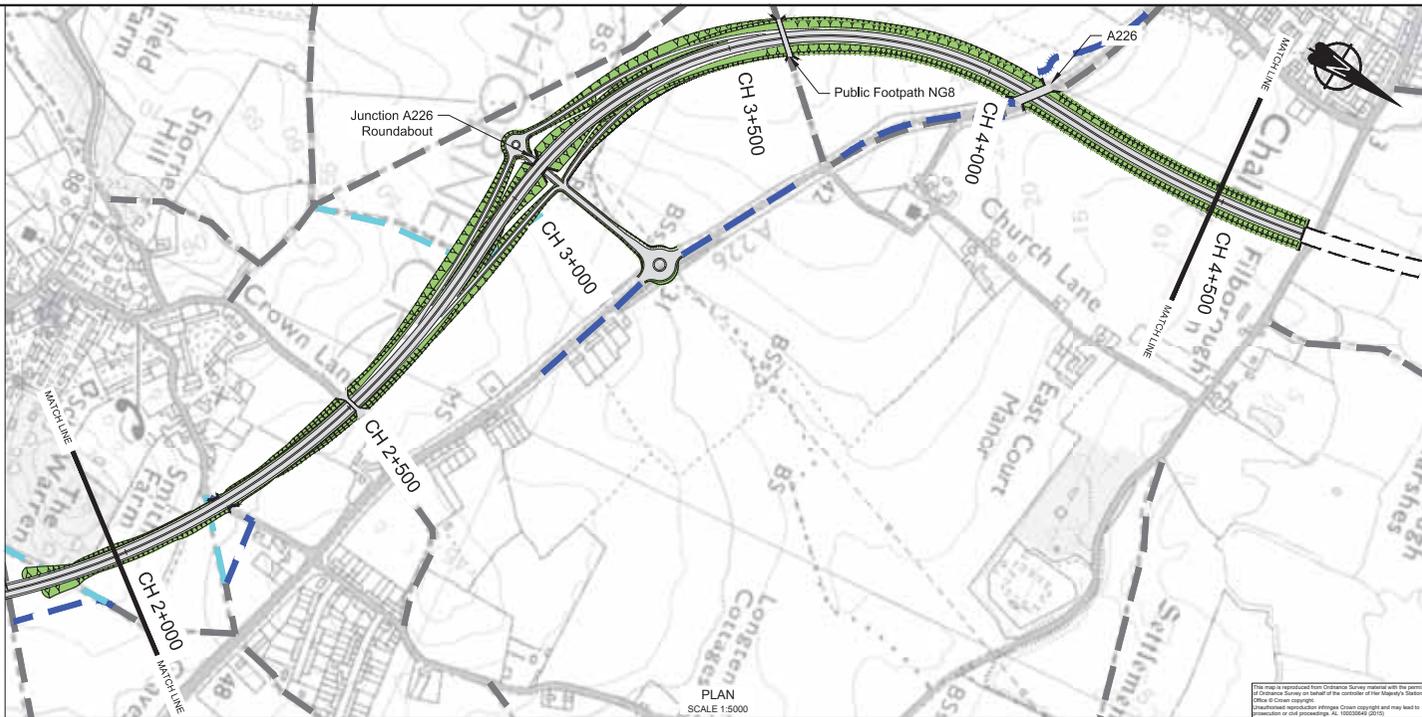
Halcrow Hyder Joint Venture  
Burderop Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project

**LOWER THAMES  
CROSSING**

Route 4  
Plan & Profile  
Sheet 11 of 11

Status	SS	Revision	P01
Scale	As Shown	Date	06-11-15
Drawn By	A Garcia	Checked By	M Robinson
Approved By	G Hodge	Project No.	HA PA4 I Originator
Original Size	A1	Original Size	A1
Drawing number	HML-CD4MLZZZML-DR-RD-0110		



**LEGEND - PLAN**

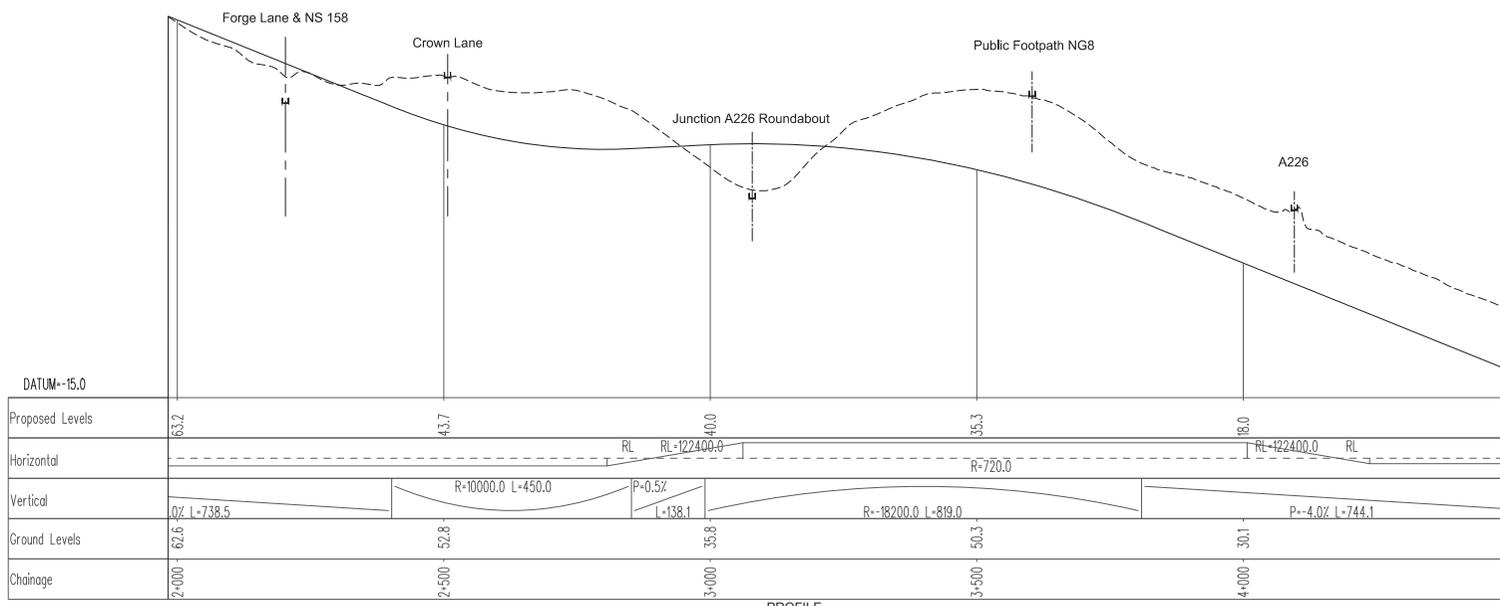
- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

PLAN  
SCALE 1:5000

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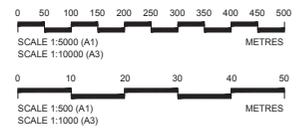
**LEGEND - PROFILE**

- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
HV SCALE 1:5000 - 1:500

- NOTES**
- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
  - The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



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DESIGN**

Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	AG	MR	GH

Client

Halcrow Hyder Joint Venture

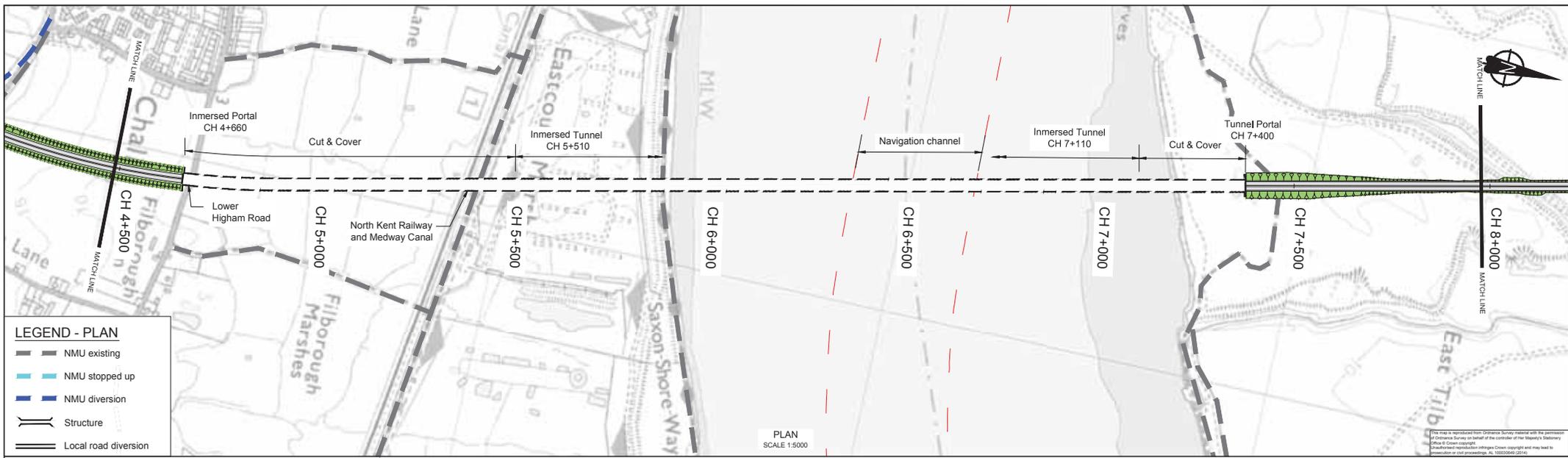
Burderop Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project

**LOWER THAMES  
CROSSING**

Route 4  
Immersed Tunnel  
Plan & Profile  
Sheet 4 of 11

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV I	Originator	Original Size
	HA540039	HHJ	A1
Drawing number	HML-CD4MLZZZML-DR-RD-0203		



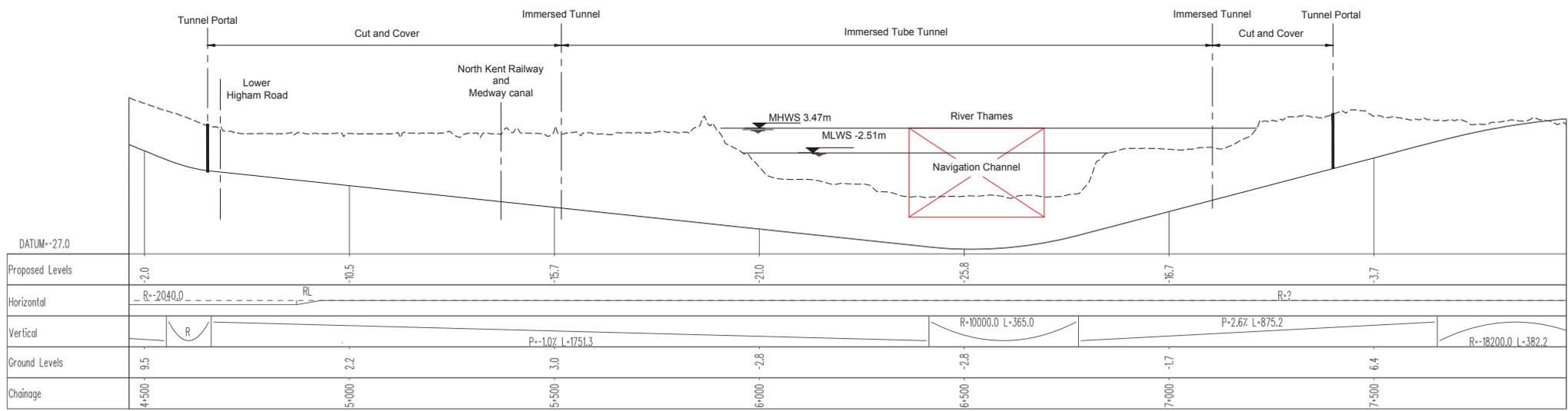
**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

PLAN  
SCALE 1:5000

**LEGEND - PROFILE**

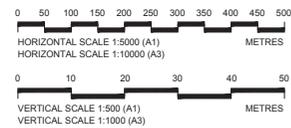
- LTC Vertical Alignment
- Existing ground profile
- Structure location



PROFILE  
H:V SCALE 1:5000 - 1:500

**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



**ILLUSTRATIVE  
DESIGN**

P01	SS	18-01-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Client

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Burdorpe Park  
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Project LOWER THAMES CROSSING

Route 4 Immersed Tunnel

Plan & Profile Sheet 5 of 11

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIV HA540039	I Originator	Original Size
Drawing number	HHJ		A1

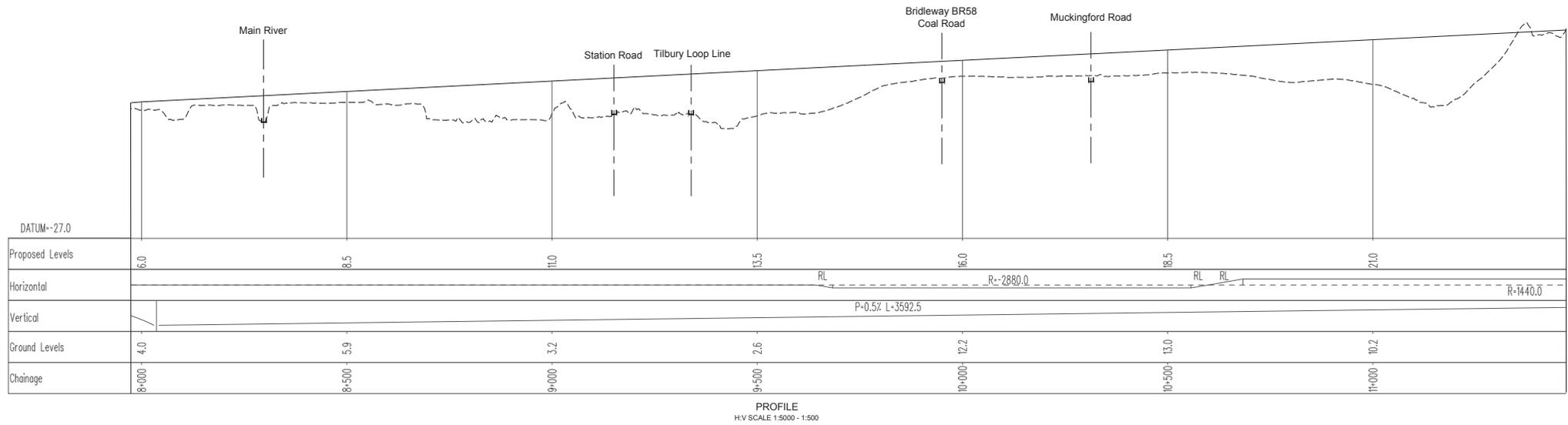
HML-CD4MLZZZML-DR-RD-0204



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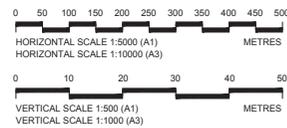
**LEGEND - PROFILE**

- LTC Vertical Alignment
- Existing ground profile
- Structure location



**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



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Client

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Project LOWER THAMES CROSSING

Route 4 Immersed Tunnel

Plan & Profile Sheet 6 of 11

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PHV I Originator	Original Size	A1
HA540039	HHJ		
Drawing number			
HML-CD4MLZZZML-DR-RD-0205			

P01	SS	18-01-16	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved



**LEGEND - PLAN**

- NMU existing
- NMU stopped up
- NMU diversion
- Structure
- Local road diversion

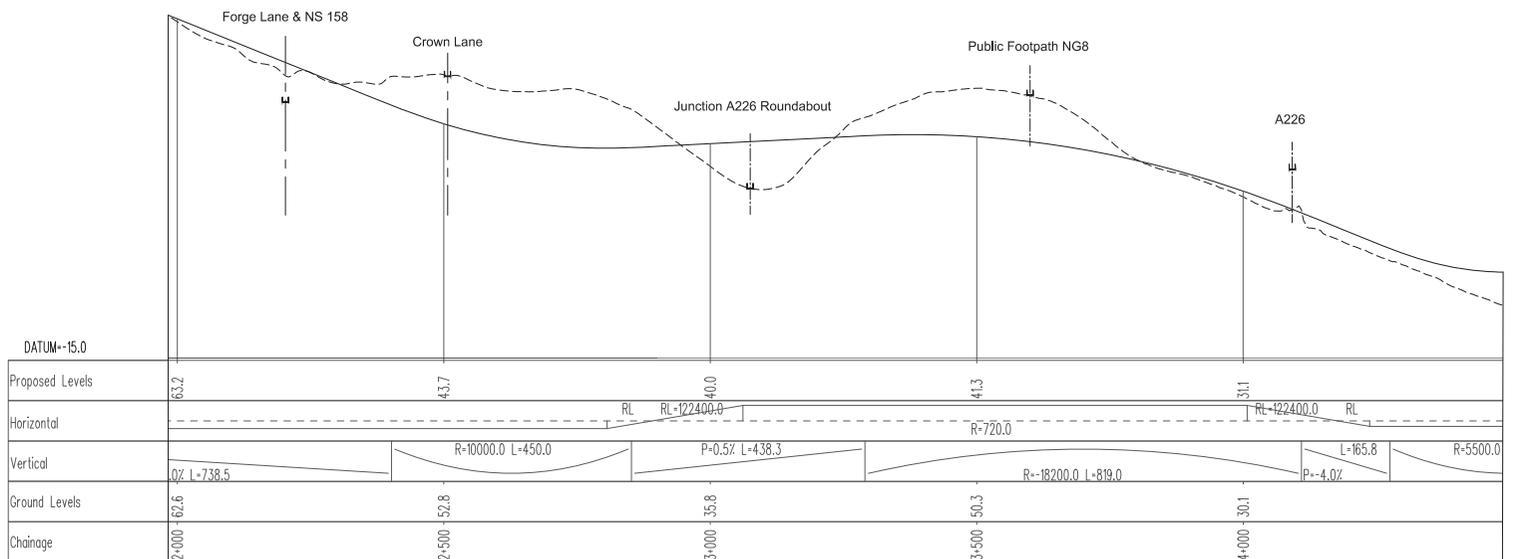
PLAN  
SCALE 1:5000

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**LEGEND - PROFILE**

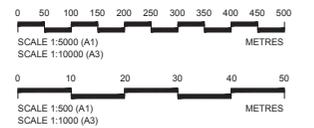
- LTC Vertical Alignment
- Existing ground profile
- Structure location

PROFILE  
H.V SCALE 1:5000 - 1:500



**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



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Client

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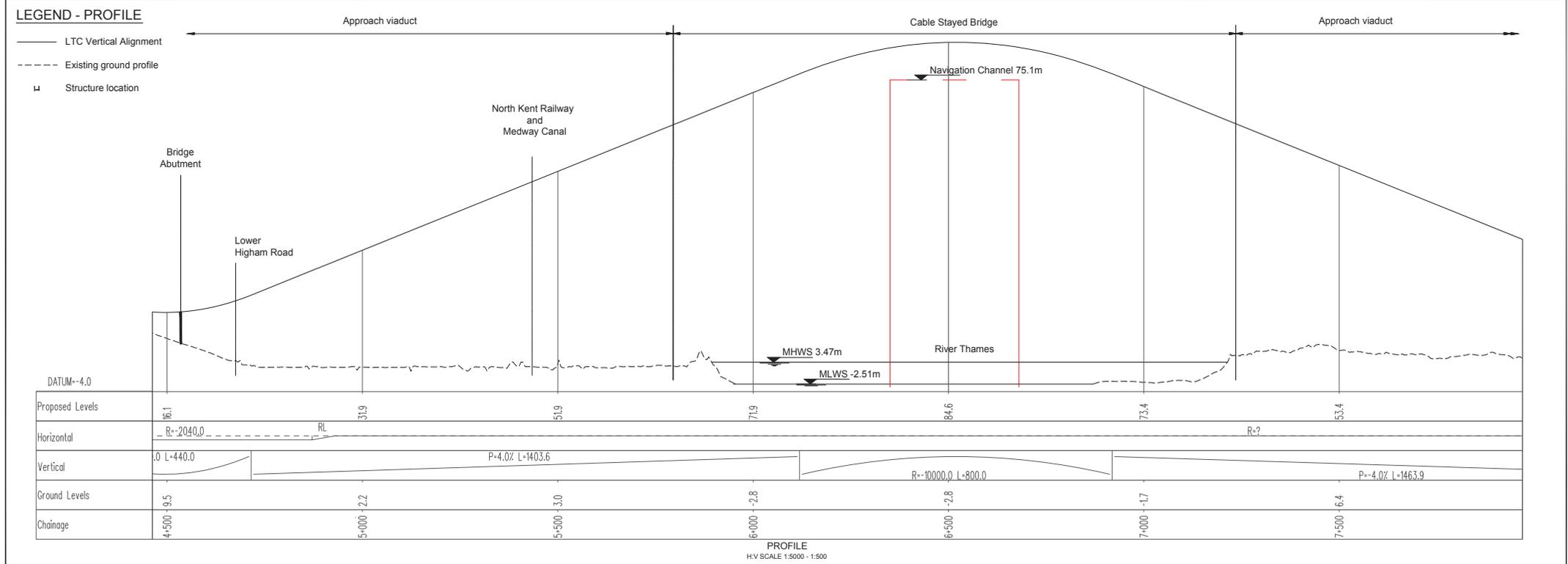
Project

**LOWER THAMES CROSSING**

Route 4 Bridge  
Plan & Profile  
Sheet 4 of 11

Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIV HA540039	Originator	HHJ
Original Size			A1
Drawing number	HML-CD4MLZZZML-DR-RD-0303		

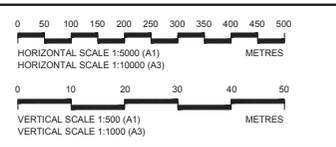
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	AG	MR	GH



Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	AG	MR	GH

**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.



ILLUSTRATIVE DESIGN

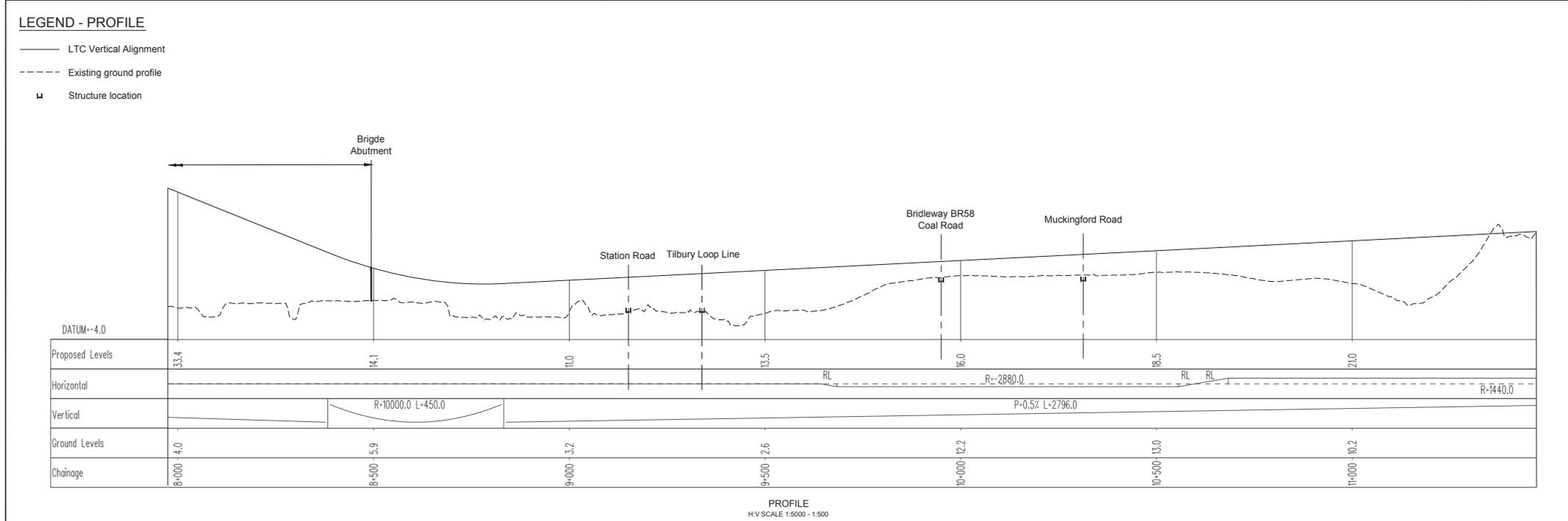
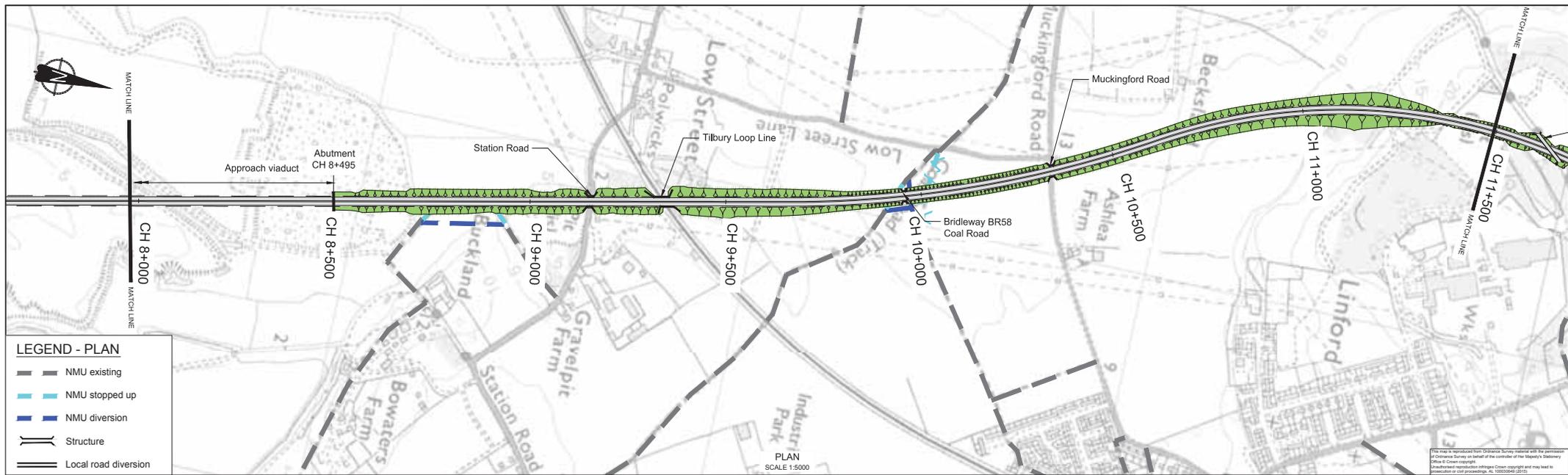
Client

Halcrow Hyder Joint Venture  
Burdurp Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 4 Bridge Plan & Profile Sheet 5 of 11

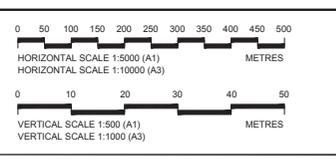
Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia	Checked By	M Robinson
Approved By	G Hodge	Project No.	HA PHV I Originator
Project No.	HA PHV I Originator	Original Size	A1
Drawing number	HML-CD4MLZZZML-DR-RD-0304		



P01	SS	18-11-18	SAR Issue	AG	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**NOTES**

- For key plan refer to drawing HML-CD4MLZZZML-DR-RD-0100
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ILLUSTRATIVE DESIGN

Client

Halcrow Hyder Joint Venture  
Burdorop Park  
Swindon, SN4 0QD  
Tel: +44(0)1793 812479

Project LOWER THAMES CROSSING

Drawing title Route 4 Bridge Plan & Profile Sheet 6 of 11

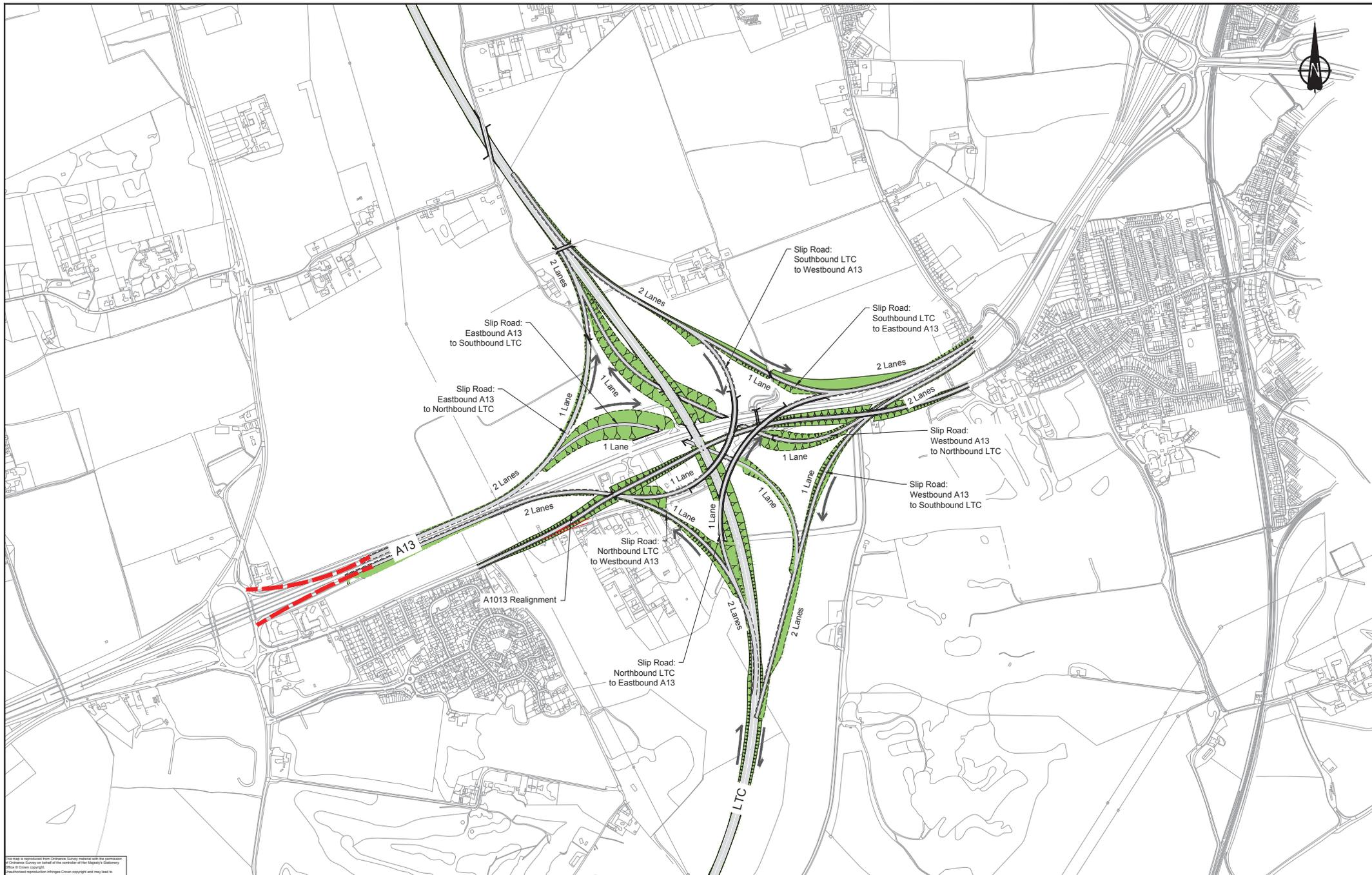
Status	SS	Revision	P01
Scale	As shown	Date	06-11-15
Drawn By	A Garcia		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIV HA540039	Originator	HHJ
Original Size			A1
Drawing number	HML-CD4MLZZZML-DR-RD-0305		

# **Appendix 3.21**

## **Route 4 A13 Junction Drawing**

---

Route 4 A13 Junction Free Flow



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PO1	SS	18-01-16	SAR Issue	ASM	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

**Key:**

	Direction of traffic flow
	Structure
	Existing road stopped up
	Local road diversion

**NOTES:**

- The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

**ILLUSTRATIVE DESIGN**

0 50 100 150 200 250 300 350 400 450 500  
SCALE 1:5000 (A1)  
SCALE 1:10000 (A3)  
METRES

Client

**Halcrow Hyder Joint Venture**  
Burdens Park  
Swindon, SN4 0DD  
Tel: +44(0)1793 812479

Project **LOWER THAMES CROSSING**

Drawing title **Route 4 A13 Junction Free Flow**

Status	SS	Revision	PO1
Scale	1:5000	Date	06-11-15
Drawn By	A Sanchez Muñoz		
Checked By	M Robinson		
Approved By	G Hodge		
Project No.	HA PIN HA540039	I Originator	HHJ
Drawing number	HML-CD4JC03A-JL-DR-RD-0001		

# **Appendix 3.22**

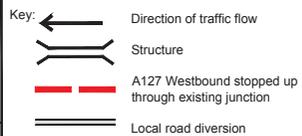
## **Route 4 A127 Junction**

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Route 4 A127 Free Flow Junction

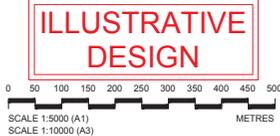


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**NOTES:**

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P01	SS	18-01-18	SAR Issue	ASM	MR	GH
Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved

Client:

**Halcrow Hyder Joint Venture**  
 Burderop Park  
 Swindon, SN4 0QD  
 Tel. +44(0)1793 812479

Project: **LOWER THAMES CROSSING**

Drawing title: **Route 4 A127 Free Flow Junction**

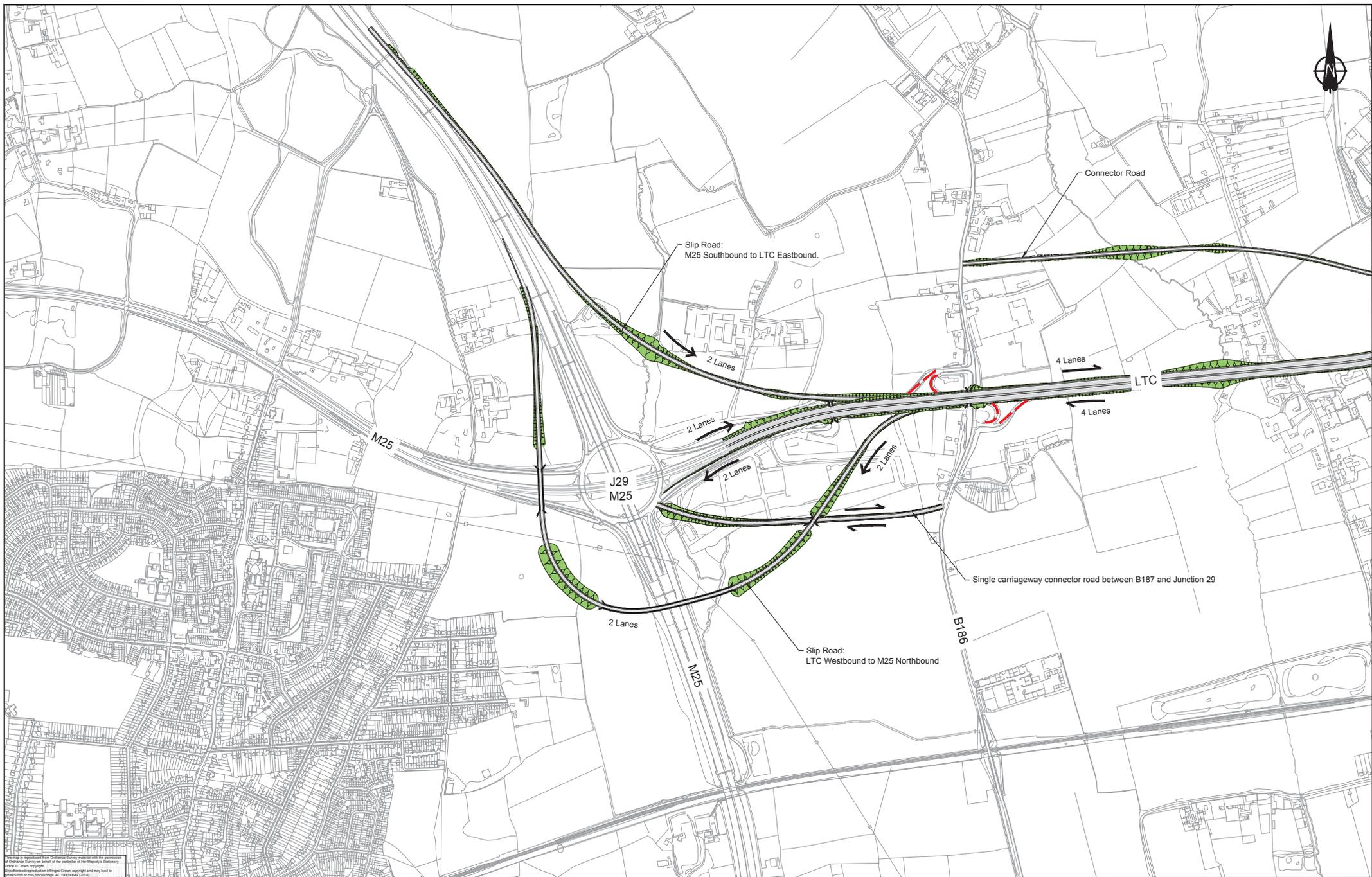
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Scale	1:5000	Date	06-11-15
Drawn By	A Sánchez Muñoz	Checked By	M Robinson
Approved By	G Hodge	Project No.	HA PN I Originator
Original Size	A1	Drawing number	HML-CD4JC04AJL-DR-RD-0001

# **Appendix 3.23**

## **Route 4 M25 Junction 29 Drawing**

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Route 4 M25 Free Flow Junction



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Rev	Status	Rev. Date	Purpose of revision	Drawn	Checked	Approved
P01	SS	18-01-18	SAR Issue	ASM	MR	GH

**Key:**  
 Direction of traffic flow  
 Structure  
 Existing road stopped up  
 Local road diversion

**NOTES:**  
 1. The design shown on these drawings is illustrative and may be subject to change in later stages of the scheme development.

**ILLUSTRATIVE DESIGN**

SCALE 1:5000 (A1)  
 SCALE 1:10000 (A3)

Client:   
**Halcrow Hyder Joint Venture**  
 Burderop Park  
 Swindon, SN4 0QD  
 Tel: +44(0)1793 812479

Project: **LOWER THAMES CROSSING**  
 Drawing title: **Route 4 M25 Free Flow Junction**

Status	SS	Revision	P01
Scale	1:5000	Date	06-11-15
Drawn By	A Sanchez Muñoz	Checked By	M Robinson
Approved By	G Hodges	Project No.	HA PN I Originator
HA PN I Originator	HA540039	Original Size	A1
Drawing number	HML-CD4JC05AJL-DR-RD-0001		

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Highways England Company Limited registered in England and Wales number 09346363

The Pre-Consultation Scheme Assessment Report details the assessment of options leading up to consultation. A final Scheme Assessment Report will be published post consultation.