

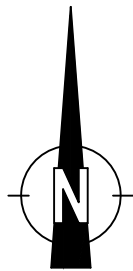


Appendix 5.3

Access Drawings

19/11/2025

L:\068\2019\VD19103 East Hemel Hempstead\Drawings\North Hemel\NHUK-VEC-ZZZ-XXX-CR-00082.5-6- Redbourn Road Geometry Plan.dwg



NOTES

1. THE HIGHWAY AUTHORITY IS HERTFORDSHIRE COUNTY COUNCIL EXCEPT FOR THE M1 SLIP ROADS WHERE NATIONAL HIGHWAYS ARE THE HIGHWAY AUTHORITY.
2. ANY DISCREPANCIES ON SITE MUST BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY.
3. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED CONTRACT DRAWINGS WITHIN APPENDIX 0/4, THE ROADS IN HERTFORDSHIRE: HIGHWAY DESIGN GUIDE AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS (SHW) VOLUME 1 AND SPECIFICATION APPENDICES.

KEY

- PLANNING REDLINE BOUNDARY
- - DETAILED JUNCTION WITH THE OUTLINE PLANNING APPLICATION BOUNDARY

P01	FIRST ISSUE	24.10.25	JB	NL	AB
Rev	Amendments	Date	By	Chk	Auth



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Drawing Status & Suitability Code
FOR PLANNING SUBMISSION S2

Client
BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED

Project
NORTH HEMEL HEMPSTEAD

Drawing Title
DETAILED PLANNING - REDBOURN ROAD GEOMETRY PLAN, SHEET 2

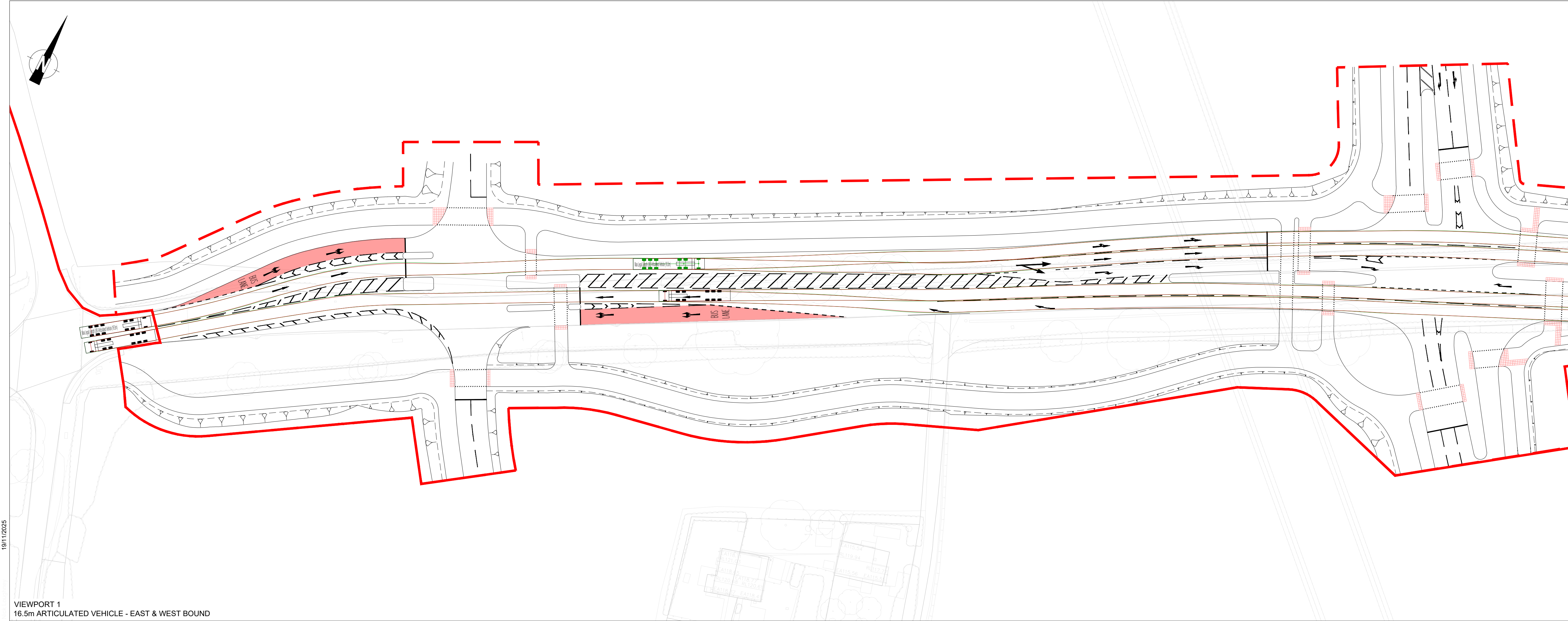
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Designed JB	Drawn JB	Checked NL	Authorised AB
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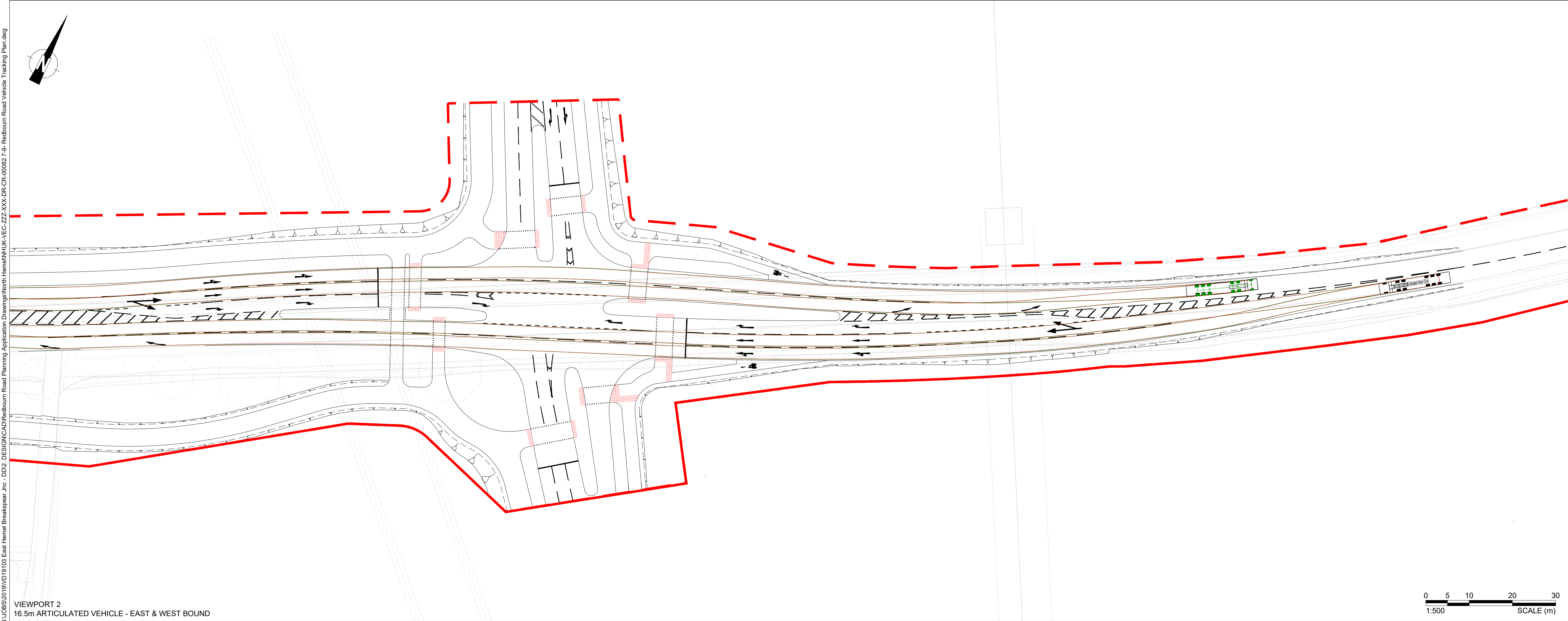
Date 14.10.25	Date 14.10.25	Date 14.10.25	Date 14.10.25
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Drawing Number NHUK-VEC-ZZZ-XXX-SK-CR-00082.6	Rev P01
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VIEWPORT 1
16.5m ARTICULATED VEHICLE - EAST & WEST BOUND



VIEWPORT 2
16.5m ARTICULATED VEHICLE - EAST & WEST BOUND

NOTES

1.

THE HIGHWAY AUTHORITY IS HERTFORDSHIRE COUNTY COUNCIL EXCEPT FOR THE M1 SLIP ROADS WHERE NATIONAL HIGHWAYS ARE THE HIGHWAY AUTHORITY.

2.

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3.

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KEY

PLANNING REDLINE BOUNDARY

DETAILED JUNCTION WITH THE OUTLINE PLANNING APPLICATION BOUNDARY

VEHICLE TRACKED

13.6

6.53

4.78

3

1.37

1.88

0.99

6.4

7.8

1.4

1.4

2.52

Max 90° Horiz

Max 90° Vert

Max Legal Length (UK) Articulated Vehicle (16.5m)

Overall Length

Overall Width

Overall Body Height

Min Body Ground Clearance

Max Track Width

Lock to lock time

Kerb to Kerb Turning Radius

16.500m

2.550m

3.681m

0.411m

2.500m

6.00s

6.530m

19/11/2025

LU06S/2019/VD19103 East Hemel Hempstead Planning Application Drawings/North Hemel Hempstead/VEC-ZZZ-XXX-CR-000827-9- Redbourn Road Vehicle Tracking Plan.dwg

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P01

FIRST ISSUE

24.10.25

JB

NL

AB

Rev

Amendments

Date

By

Chk

Auth

SLR

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Drawing Status & Suitability Code

FOR PLANNING SUBMISSION

S2

Client

BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED

Project

NORTH HEMEL HEMPSTEAD

Drawing Title

DETAILED PLANNING - REDBOURN ROAD VEHICLE TRACKING PLAN, SHEET 2

Scale

1:500

@ A1

SLR Project No.

425.065533.00001

Designed

JB

Checked

NL

Authorised

AB

Date

14.10.25

Date

14.10.25

Date

14.10.25

Date

14.10.25

Drawing Number

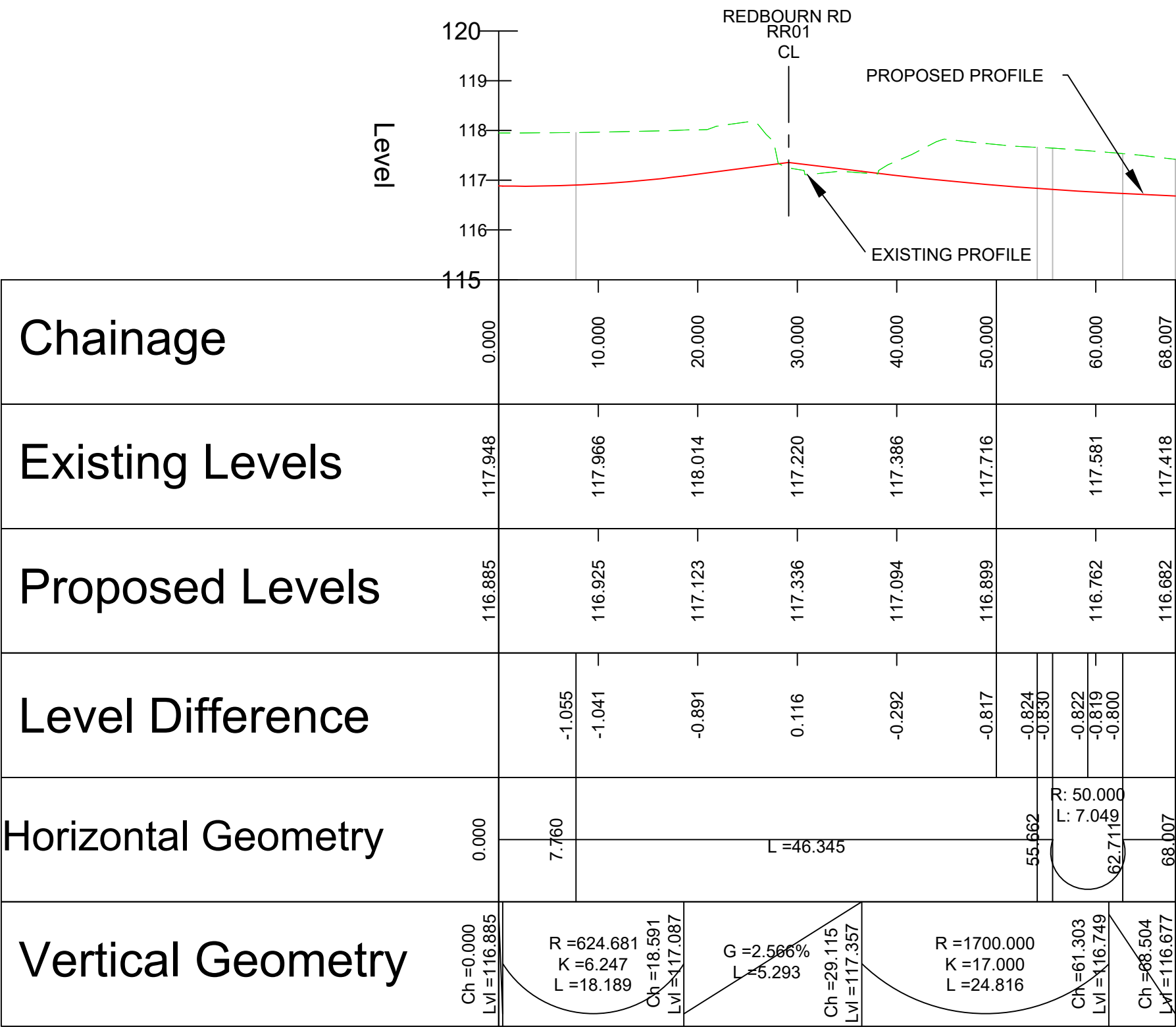
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Rev

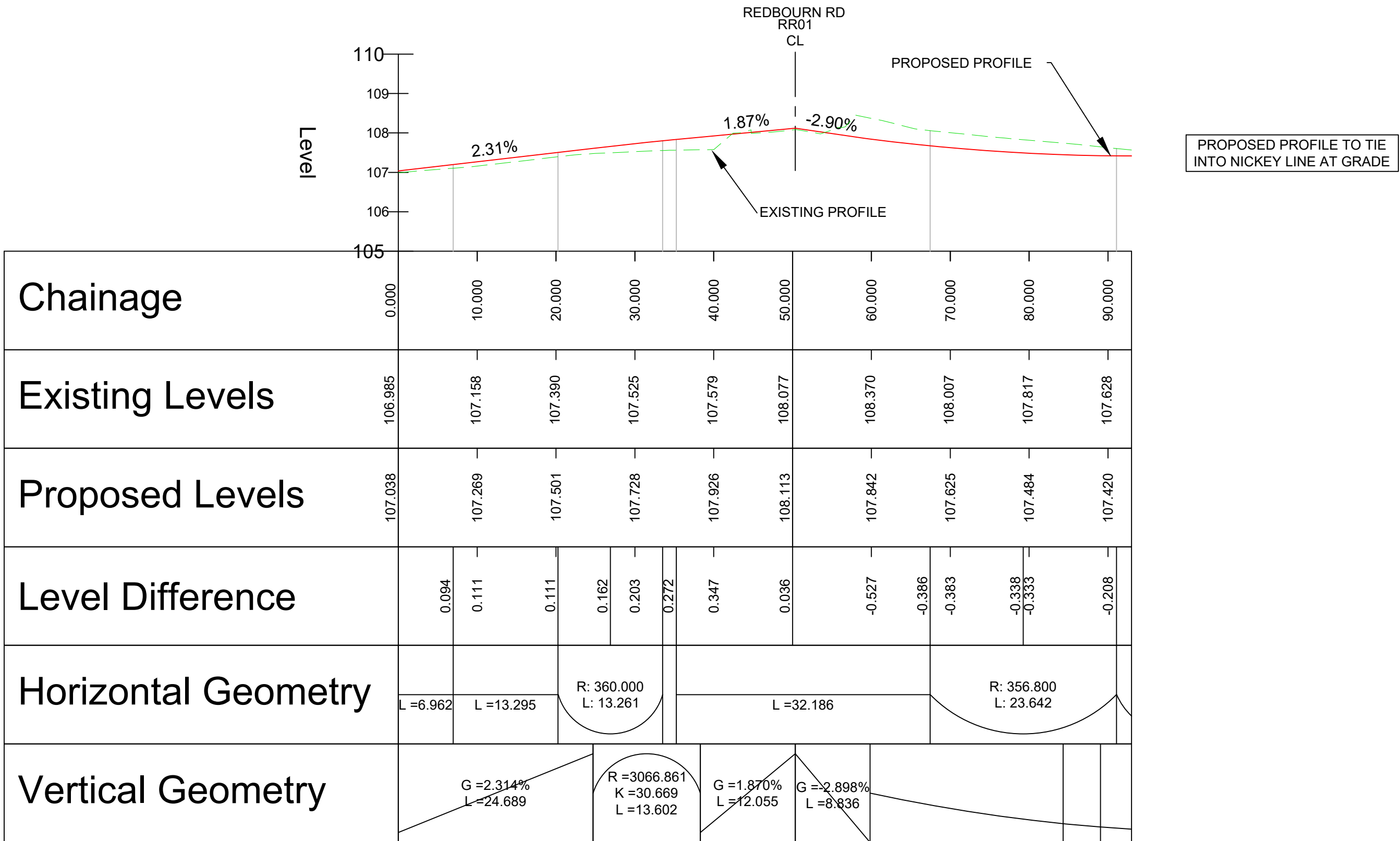
P01



RR02- WESTERN JUNCTION CL LONGSECTION
SCALE: H 1:500,V 1:100. DATUM: 115.000



RR03- EASTERN JUNCTION CL LONGSECTION
SCALE: H 1:500,V 1:100. DATUM: 105.000



- NOTES
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 4. PLEASE REFER TO DRAWING EHUK-VEC-ZZZ-XXX-SK-CR-10086.1 FOR ALIGNMENT LONG SECTION LOCATION PLAN.

- KEY
- EXISTING GROUND PROFILE
 - PROPOSED GROUND PROFILE

P01	FIRST ISSUE	07.11.25	JB	NL	AB
Rev	Amendments	Date	By	Chk	Auth



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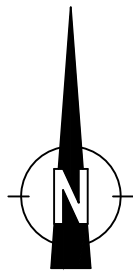
Drawing Status & Suitability Code	
FOR PLANNING SUBMISSION	S2

Client	BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED
Project	NORTH HEMEL HEMPSTEAD

Drawing Title	
DETAILED PLANNING - REDBOURN ROAD LONG SECTION PLAN, SHEET 3	

Scale	1:500	SLR Project No.	425.065533.00001
Designed	JB	Checked	NL
Drawn	JB	Authorised	AB
Date	14.10.25	Date	14.10.25
Date	14.10.25	Date	14.10.25

Drawing Number	Rev
NHUK-VEC-ZZZ-XXX-SK-CR-00082.15	P01



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- KEY
- PLANNING REDLINE BOUNDARY
 - DETAILED JUNCTION WITH THE OUTLINE PLANNING APPLICATION BOUNDARY
 - HERTFORDSHIRE COUNTY COUNCIL HIGHWAY BOUNDARY

P01	FIRST ISSUE	14.10.25	JB	NL	AB
Rev	Amendments	Date	By	Chk	Auth



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Drawing Status & Suitability Code		S2	
FOR PLANNING SUBMISSION			

Client	
BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED	

Project	
NORTH HEMEL HEMPSTEAD	

Drawing Title	
DETAILED PLANNING - REDBOURN ROAD HIGHWAY BOUNDARY PLAN, SHEET 2	

Scale		@ A1		SLR Project No.	
1:1000				425.065533.00001	

Designed	Drawn	Checked	Authorised
JB	JB	NL	AB

Date	Date	Date	Date
14.10.25	14.10.25	14.10.25	14.10.25

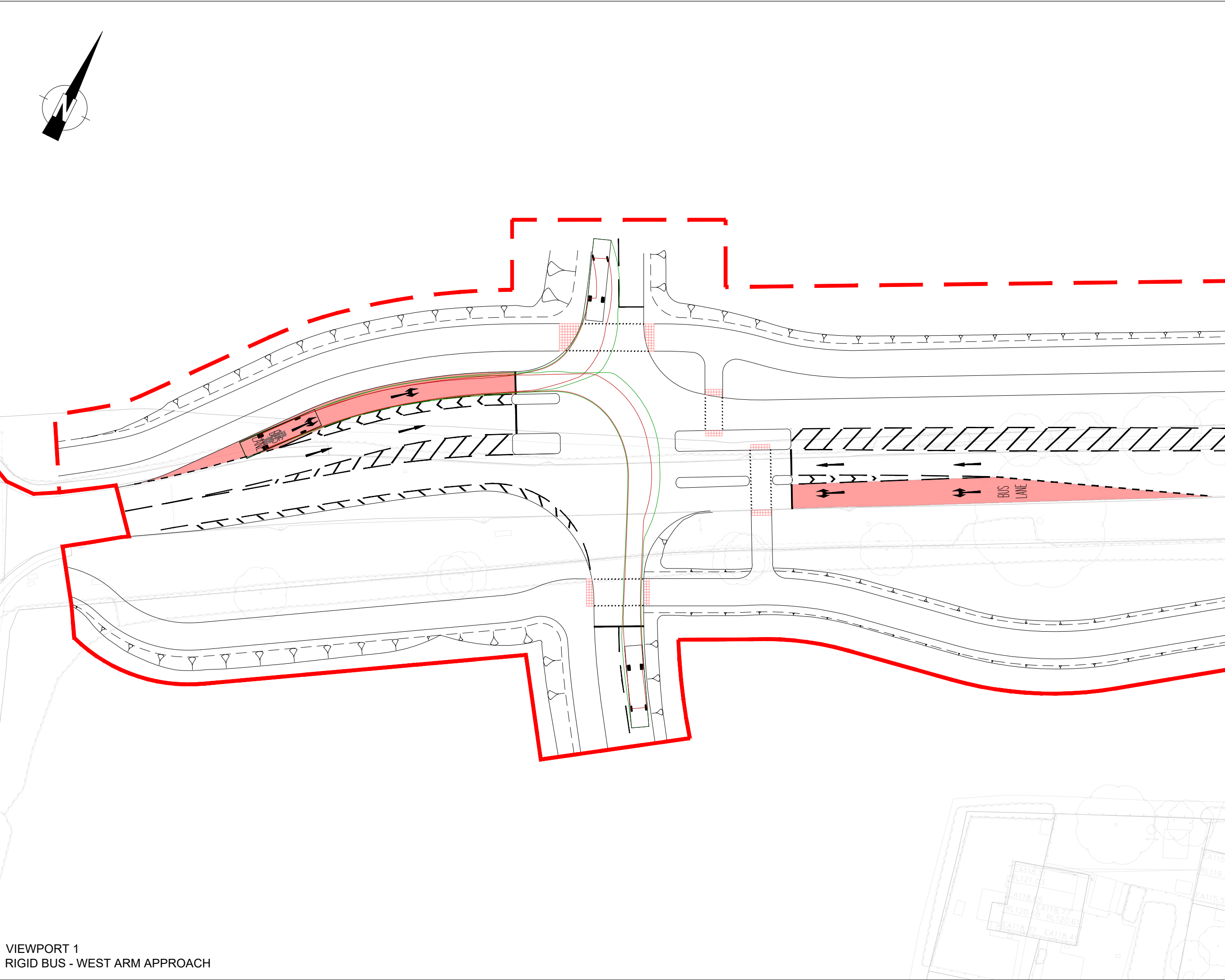
Drawing Number		Rev	
NHUK-VEC-ZZZ-XXX-SK-CR-00082.18		P01	



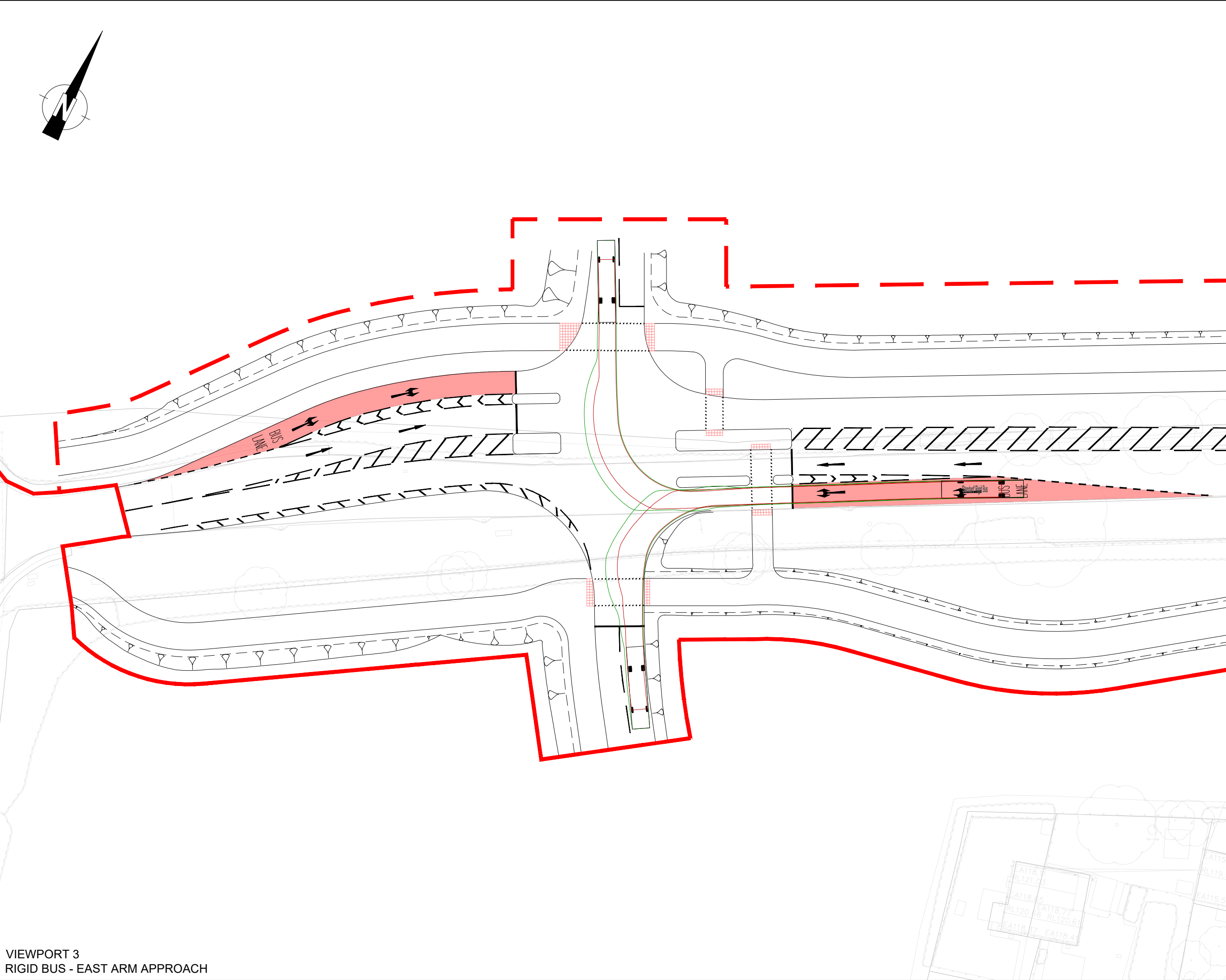
19/11/2025
L:\065\2019\VD19103 East Hemel Hempstead Road Planning Application Drawings\North Hemel Hempstead\VEC-ZZZ-XXX-OR-CR-00082.18- Redbourn Road Highway Boundary Plan.dwg

19/11/2025

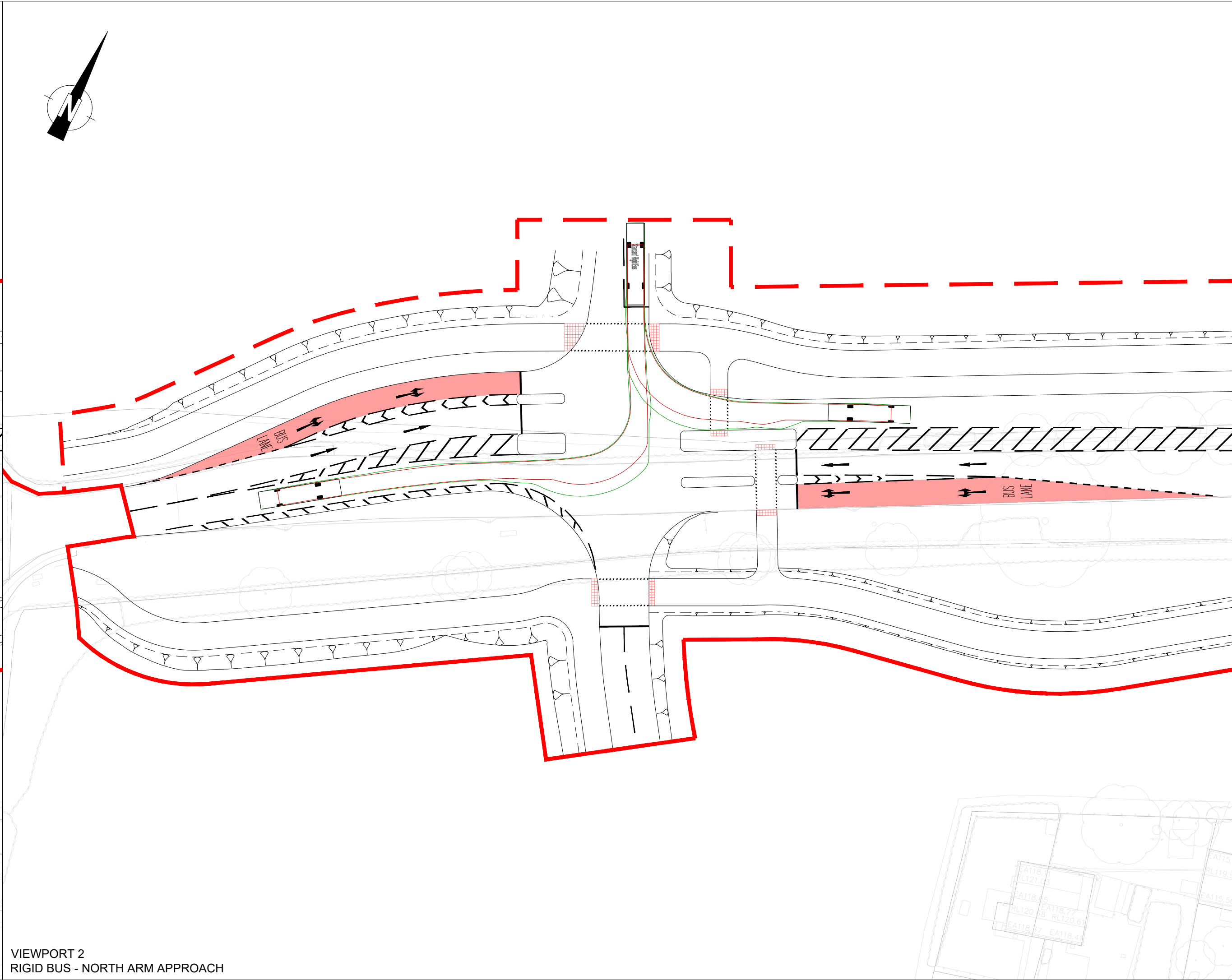
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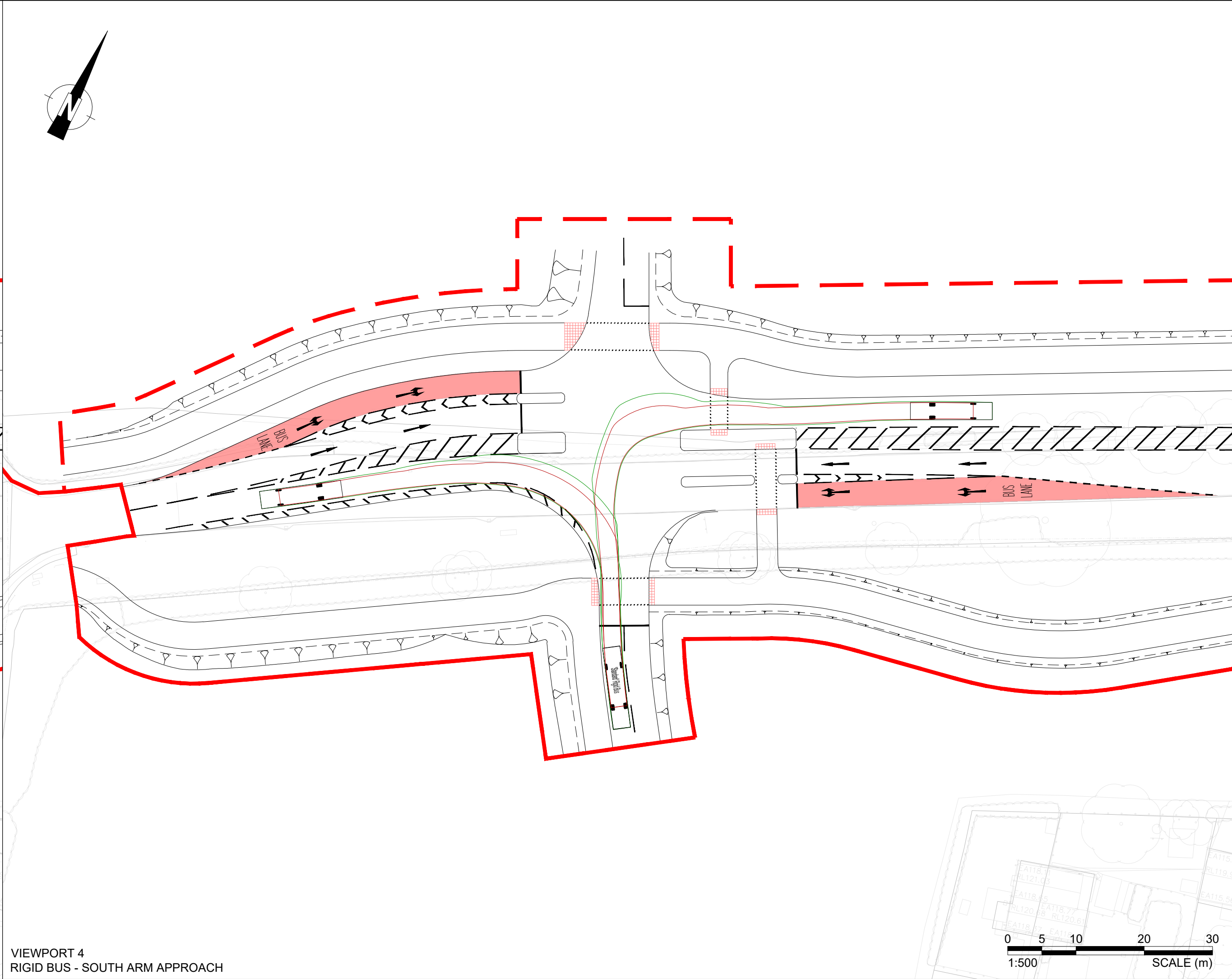
VIEWPORT 1
RIGID BUS - WEST ARM APPROACH



VIEWPORT 3
RIGID BUS - EAST ARM APPROACH



VIEWPORT 2
RIGID BUS - NORTH ARM APPROACH



VIEWPORT 4
RIGID BUS - SOUTH ARM APPROACH

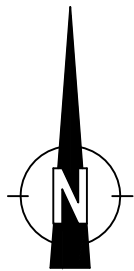
- NOTES
1. THE HIGHWAY AUTHORITY IS HERTFORDSHIRE COUNTY COUNCIL EXCEPT FOR THE M1 SLIP ROADS WHERE NATIONAL HIGHWAYS ARE THE HIGHWAY AUTHORITY.
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- KEY
- PLANNING REDLINE BOUNDARY
 - - - DETAILED JUNCTION WITH THE OUTLINE PLANNING APPLICATION BOUNDARY

VEHICLE TRACKED

'Standard' Rigid Bus	12.000m
Overall Length	2.550m
Overall Width	3.069m
Overall Body Height	0.309m
Min Body Ground Clearance	2.350m
Track Width	4.00s
Lock to lock time	10.771m
Wall to Wall Turning Radius	

P01	FIRST ISSUE	24.10.25	JB	NL	AB
Rev	Amendments	Date	By	Chk	Auth
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Drawing Status & Suitability Code					
FOR PLANNING SUBMISSION					S2
Client					
BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED					
Project					
NORTH HEMEL HEMPSTEAD					
Drawing Title					
DETAILED PLANNING - REDBOURN ROAD VEHICLE TRACKING PLAN, SHEET 1					
Scale					
1:500		@ A1		SLR Project No. 425.065533.00001	
Designed	Drawn	Checked	Authorised		
JB	JB	NL	AB		
Date	Date	Date	Date		
14.10.25	14.10.25	14.10.25	14.10.25		
Drawing Number					Rev
NHUK-VEC-ZZZ-XXX-SK-CR-00082.7					P01





OVERVIEW

SHEET 1

SHEET 2

- NOTES
1. THE HIGHWAY AUTHORITY IS HERTFORDSHIRE COUNTY COUNCIL EXCEPT FOR THE M1 SLIP ROADS WHERE NATIONAL HIGHWAYS ARE THE HIGHWAY AUTHORITY.
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Drawing Status & Suitability Code
FOR PLANNING SUBMISSION S2

Client
BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED

Project
NORTH HEMEL HEMPSTEAD

Drawing Title
DETAILED PLANNING - REDBOURN ROAD KEY PLAN

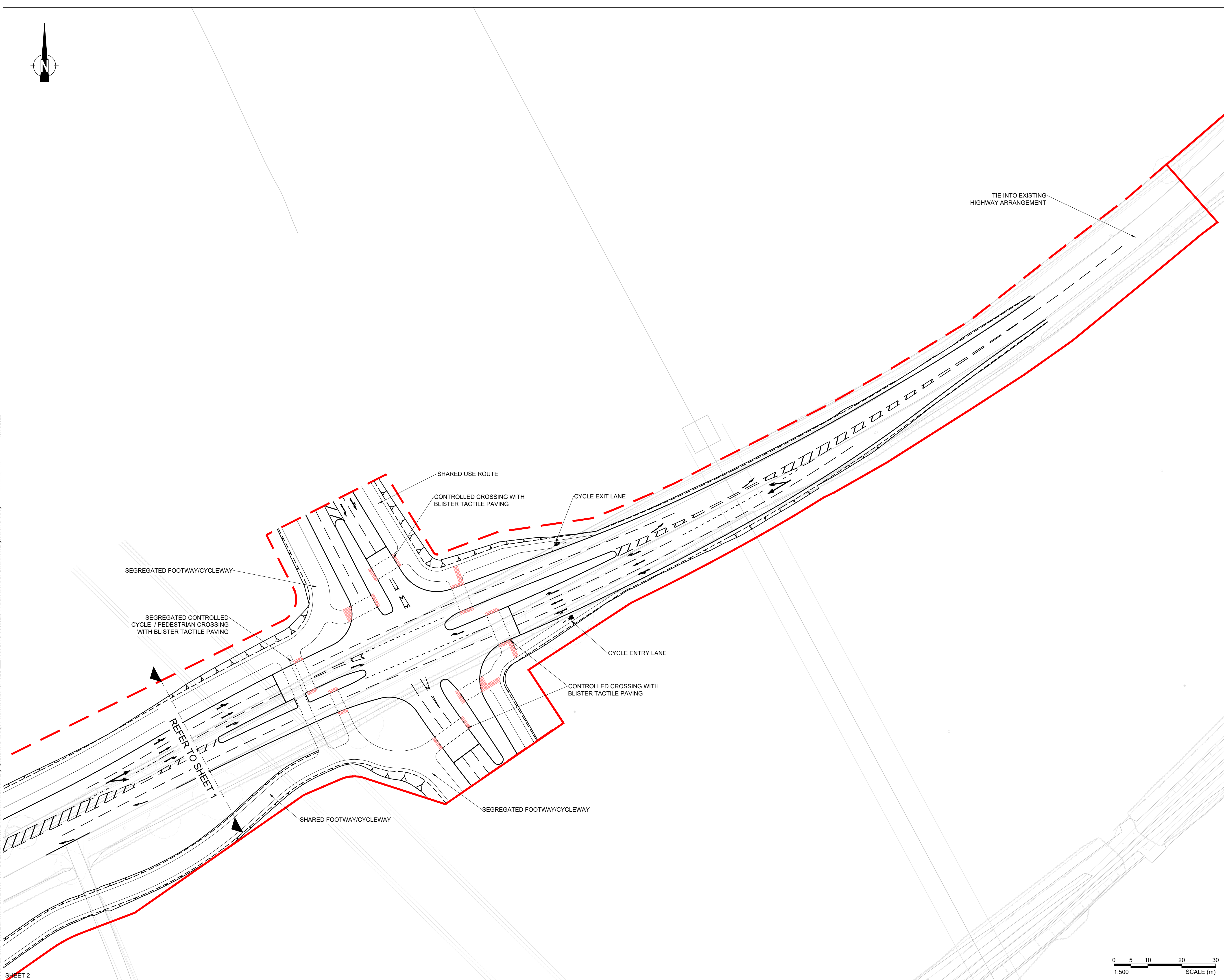
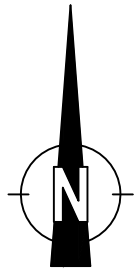
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Date 14.10.25	Date 14.10.25	Date 14.10.25	Date 14.10.25

Drawing Number
NHUK-VEC-ZZZ-XXX-SK-CR-00082.2

Rev
P01



19/11/2025
L:\068\2019\VD19103 East Hemel Hempstead - DD2 DESIGN\CAD\Redbourn Road Planning Application Drawings\North Hemel\NHUK-VEC-ZZZ-XXX-OR-CR-00082.3.4 Redbourn Road General Arrangement Plan.dwg



NOTES

1.

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KEY

PLANNING REDLINE BOUNDARY

DETAILED JUNCTION WITH THE OUTLINE PLANNING APPLICATION BOUNDARY

LOCATION PLAN

P01	FIRST ISSUE	24.10.25	JB	NL	AB
Rev	Amendments	Date	By	Chk	Auth

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Drawing Status & Suitability Code

FOR PLANNING SUBMISSION

S2

Client

BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED

Project

NORTH HEMEL HEMPSTEAD

Drawing Title

DETAILED PLANNING - REDBOURN ROAD GENERAL ARRANGEMENT PLAN, SHEET 2

Scale

1:500

@ A1

SLR Project No.

425.065533.00001

Designed	Drawn	Checked	Authorised
JB	JB	NL	AB
Date	Date	Date	Date
14.10.25	14.10.25	14.10.25	14.10.25

Drawing Number

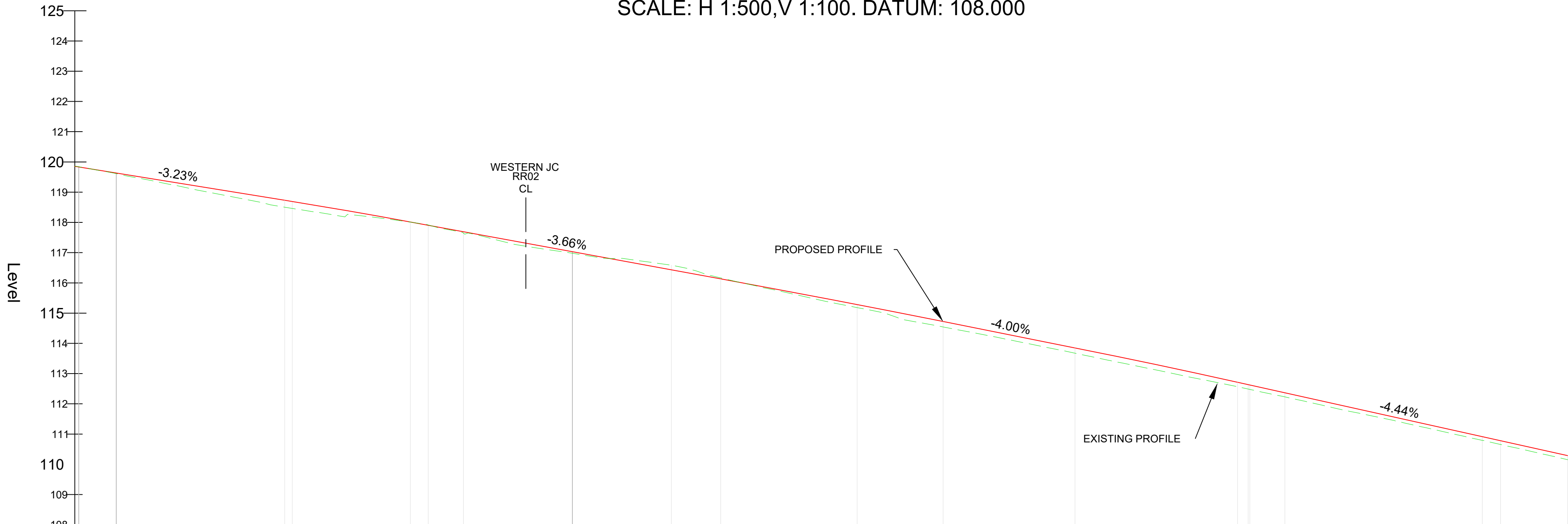
Rev

NHUK-VEC-ZZZ-XXX-SK-CR-00082.4

P01



RR01- REDBOURN ROAD CL LONGSECTION (PART 1)
SCALE: H 1:500,V 1:100. DATUM: 108.000



SEE SHEET 00082.14 FOR
RR02 LONGSECTION
CHAINAGES 250-514

Chainage	0.00	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000
Existing Levels	119.863	119.606	119.208	118.809	118.430	118.228	117.965	117.564	117.137	116.826	116.632	116.159	115.713	115.279	114.788	114.415	114.020	113.610	113.197	112.785	112.364	111.924	111.502	111.053	110.604	110.153
Proposed Levels	119.854	119.627	119.304	118.981	118.657	118.318	117.959	117.593	117.226	116.860	116.494	116.127	115.756	115.376	114.987	114.589	114.189	113.788	113.378	112.951	112.509	112.065	111.621	111.177	110.732	110.286
Level Difference	-0.009	0.022	0.095	0.172	0.227	0.091	-0.006	0.029	0.089	0.034	-0.139	-0.032	0.044	0.097	0.199	0.174	0.169	0.178	0.181	0.166	0.145	0.140	0.118	0.124	0.129	0.133
Horizontal Geometry	R: 281.851 L = 10.32009		L = 29.117		R: 145.409 L: 22.512		L = 5.819	L = 18.038	L = 16.385		L = 30.734			L = 64.702					R: 720.000 L: 5.789		R: 720.000 L: 32.665		R: 1026.000 L: 3.082		R: 1026.000 L: 24.149	
Vertical Geometry	G = -3.234% L = 35.726			R = 4837.064 K = 48.371 L = 20.796			G = -3.664% L = 51.343					R = 10952.735 K = 109.527 L = 36.811			G = -4.000% L = 21.830		R = 6098.742 K = 60.987 L = 26.891		G = -4.441% L = 53.006							

- NOTES
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 4. PLEASE REFER TO DRAWING EHUK-VEC-ZZZ-XXX-SK-CR-10086.1 FOR ALIGNMENT LONG SECTION LOCATION PLAN.

KEY

----- EXISTING GROUND PROFILE

----- PROPOSED GROUND PROFILE

P01	FIRST ISSUE	07.11.25	JB	NL	AB
Rev	Amendments	Date	By	Chk	Auth



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Drawing Status & Suitability Code		FOR PLANNING SUBMISSION		S2
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Client		BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED	
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Project		NORTH HEMEL HEMPSTEAD	
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Drawing Title		DETAILED PLANNING - REDBOURN ROAD LONG SECTION PLAN, SHEET 1	
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Scale		1:500 @ A1		SLR Project No. 425.065533.00001	
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Designed	Drawn	Checked	Authorised
JB	JB	NL	AB

Date	Date	Date	Date
14.10.25	14.10.25	14.10.25	14.10.25

Drawing Number		Rev	
NHUK-VEC-ZZZ-XXX-SK-CR-00082.13		P01	

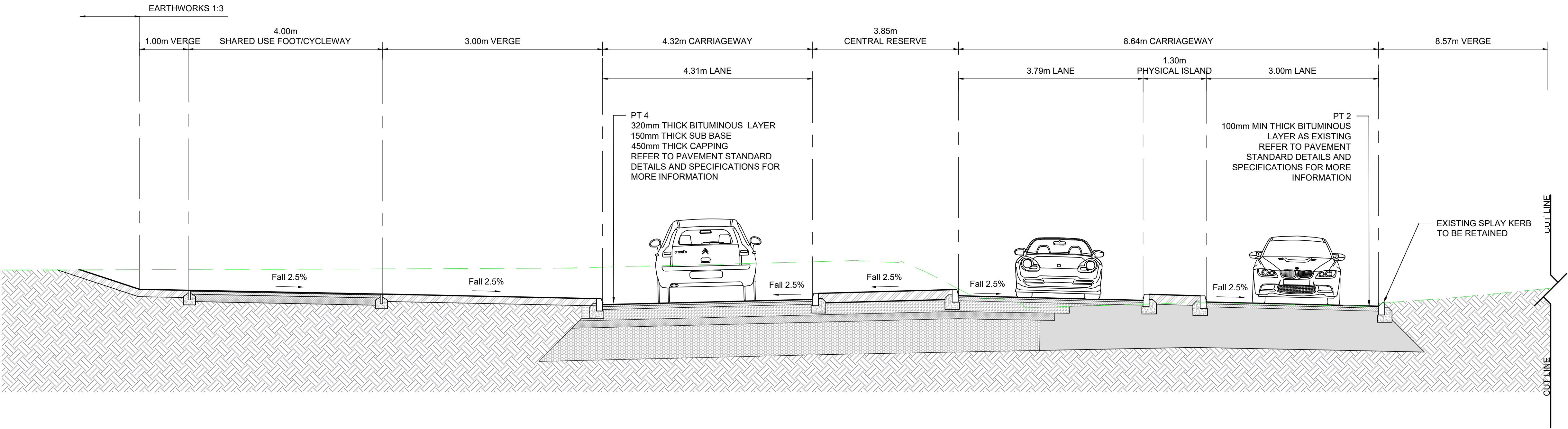
19/11/2025

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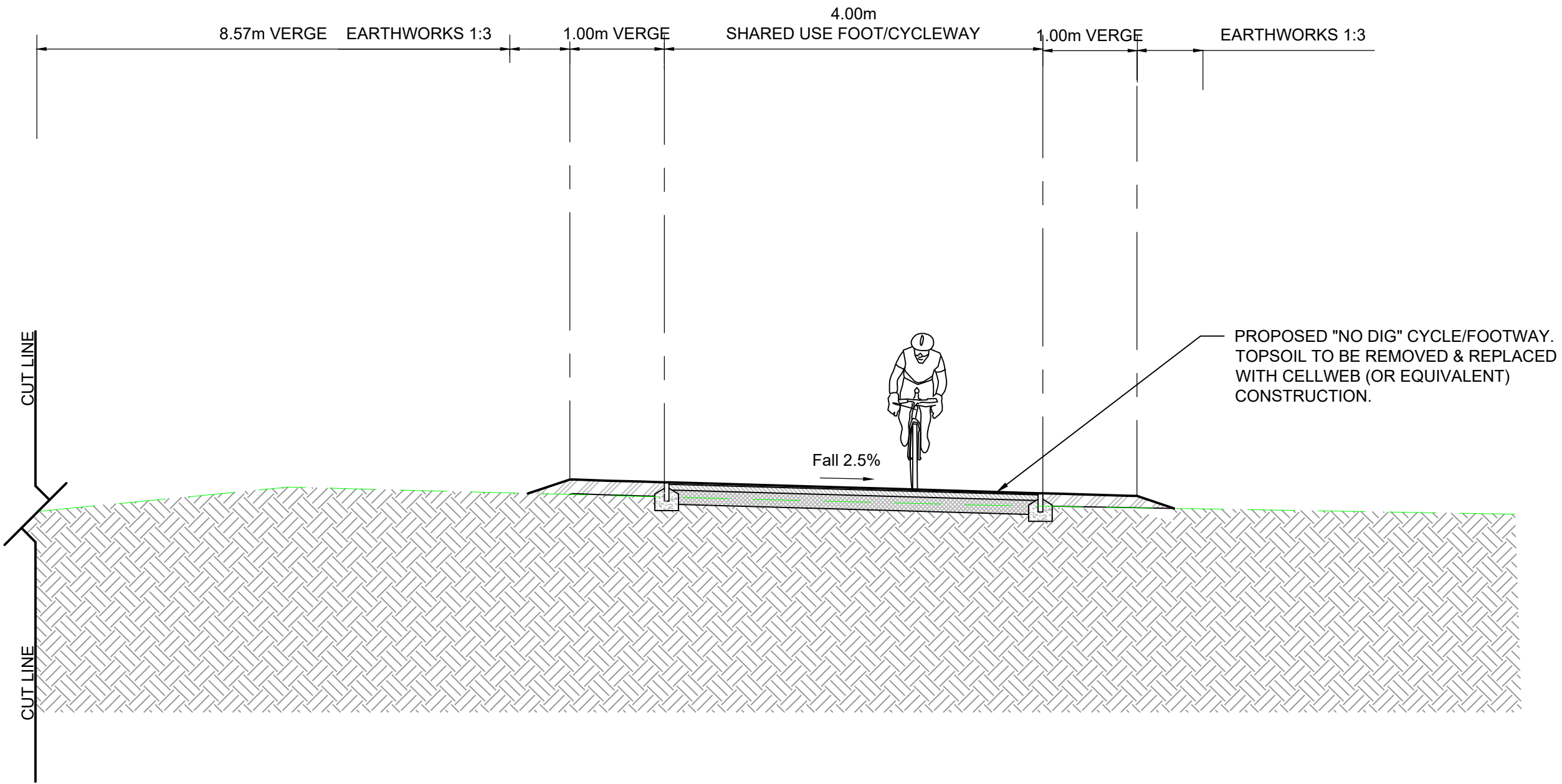
SHEET 2

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SECTION RR01 (PART 1)

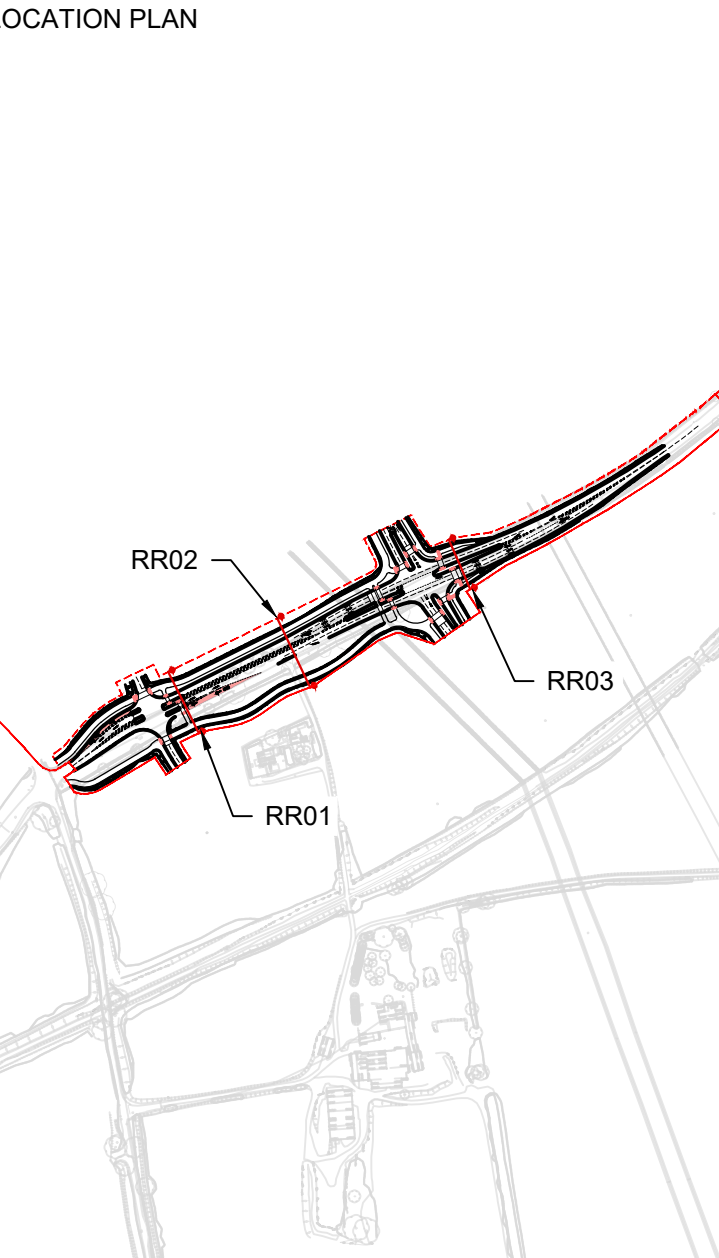


SECTION RR01 (PART 2)



- NOTES
1. THE HIGHWAY AUTHORITY IS HERTFORDSHIRE COUNTY COUNCIL EXCEPT FOR THE M1 SLIP ROADS WHERE NATIONAL HIGHWAYS ARE THE HIGHWAY AUTHORITY.
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KEY:
--- EXISTING GROUND LEVEL



P01	FIRST ISSUE	07.11.25	JB	NL	AB
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 www.slrconsulting.com					
Drawing Status & Suitability Code					S2
FOR PLANNING SUBMISSION					
Client: BLOOR HOMES LIMITED AND PIGEON (HEMEL HEMPSTEAD) LIMITED					
Project: NORTH HEMEL HEMPSTEAD					
Drawing Title: DETAILED PLANNING - REDBOURN ROAD TYPICAL CROSS SECTION PLAN, SHEET 1					
Scale: 1:50		@ A1			
Designed JB		Drawn JB		SLR Project No: 425.065533.00001	
Date 14.10.25		Date 14.10.25		Checked NL	
				Authorised AB	
Date 14.10.25		Date 14.10.25		Date 14.10.25	
Drawing Number: EHUK-VEC-ZZZ-XXX-SK-CR-00082.16					Rev: P01

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