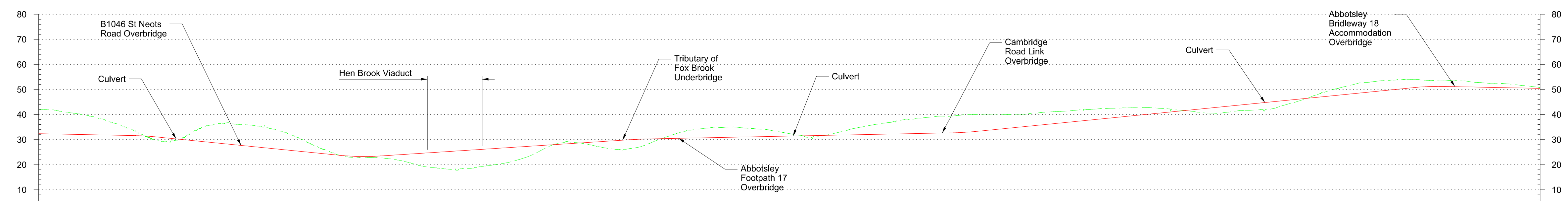


PLAN
SCALE 1:10,000 @ A1



Down Main CL	Chainage	Chainage																																																																				
		CSA 21+000	CSA 21+100	CSA 21+200	CSA 21+300	CSA 21+400	CSA 21+500	CSA 21+600	CSA 21+700	CSA 21+800	CSA 21+900	CSA 22+000	CSA 22+100	CSA 22+200	CSA 22+300	CSA 22+400	CSA 22+500	CSA 22+600	CSA 22+700	CSA 22+800	CSA 22+900	CSA 23+000	CSA 23+100	CSA 23+200	CSA 23+300	CSA 23+400	CSA 23+500	CSA 23+600	CSA 23+700	CSA 23+800	CSA 23+900	CSA 24+000	CSA 24+100	CSA 24+200	CSA 24+300	CSA 24+400	CSA 24+500	CSA 24+600	CSA 24+700	CSA 24+800	CSA 24+900	CSA 25+000	CSA 25+100	CSA 25+200	CSA 25+300	CSA 25+400	CSA 25+500	CSA 25+600	CSA 25+700	CSA 25+800	CSA 25+900	CSA 26+000	CSA 26+100	CSA 26+200	CSA 26+300	CSA 26+400	CSA 26+500	CSA 26+600	CSA 26+700	CSA 26+800	CSA 26+900	CSA 27+000								
Horizontal Alignment		L=145														L=2351												L=105											R=2003 L=331	L=105	L=224		L=105	R=2003 L=1053	L=105	L=128		R=2000 L=200	L=105	L=218		L=145	R=1403 L=356	L=145	L=2236															
Vertical Alignment		L=2330 G=-0.20%		L=80 R=10000		L=734 G=-1.00%				L=165 R=10000				L=988 G=0.65%				L=90 R=20000				L=1196 G=0.20%				L=120 R=15000				L=1733 G=1.00%				L=120 R=10000				L=589 G=-0.20%																																
Existing Level		42.2	41.1	39.6	36.6	32.6	29.2	31.9	36.1	35.0	35.1	32.3	27.7	23.8	23.1	22.3	20.3	18.6	18.4	19.7	21.5	25.3	28.9	28.0	26.2	27.0	30.2	30.4	30.8	33.8	35.0	34.8	34.1	34.1	32.4	31.4	31.6	33.0	35.2	36.8	36.8	38.3	39.4	40.0	40.2	40.1	40.7	41.4	42.0	42.5	42.7	42.2	41.4	40.5	41.6	41.7	44.4	44.4	47.7	50.7	52.8	53.7	53.9	53.4	53.4	53.4	52.5	51.9	50.8	50.4
Proposed Level		32.4	32.2	32.0	31.8	31.6	30.8	29.8	28.8	27.8	26.8	25.8	24.8	23.8	23.3	23.7	24.4	25.0	25.7	26.3	27.0	27.6	28.3	28.9	28.9	29.6	30.2	30.4	30.6	30.8	31.0	31.2	31.2	31.4	31.6	31.8	32.0	32.2	32.2	32.2	32.4	32.6	32.6	32.9	33.8	34.8	35.8	36.8	37.8	38.8	39.8	40.8	41.8	42.8	43.8	44.8	45.8	46.8	47.8	48.8	49.8	50.8	51.2	51.0	50.8	50.6	50.4			
Cut and Fill		-9.8	-8.9	-7.6	-4.8	-1.0	+1.6	-2.1	-7.3	-8.2	-8.3	-6.5	-2.9	0.0	+0.2	+1.4	+4.1	+6.4	+7.3	+6.6	+5.5	+2.3	-0.6	+0.9	+3.4	+3.2	-0.4	-3.2	-4.2	-3.8	-2.9	-1.0	+0.2	-1.2	-3.2	-4.6	-5.9	-6.8	-7.1	-6.4	-5.3	-4.9	-4.6	-4.2	-3.7	-2.9	-1.4	+0.4	+2.3	+2.2	+3.1	+1.4	-0.9	-2.9	-4.0	-3.9	-3.1	-2.2	-2.4	-1.7	-1.3	-0.4								
Design Speed		161km/h														161km/h																																																						

PROFILE
SCALE H:1:10,000 V:1:1000 @ A1

Notes:
1. For notes refer to drawing EWR_PGM-ARU-ZZ-XX-SC-C-001000.

Profile Legend:
— Preferred alignment
— Existing ground

Plan Legend:

- Preferred alignment
- Chainage
- New permanent highway (public and private)
- Existing public rights of way
- Proposed public rights of way and side road non-motorised road users
- Extent of public right of way closure
- Engineering earthworks
- Landscape earthworks
- New ditches
- Balancing pond
- Balancing pond earthworks
- Other drainage
- Replacement floodplain storage area
- Replacement floodplain storage area earthworks
- Woodland habitat creation
- Woodland habitat enhancement
- Grassland habitat creation
- Grassland habitat enhancement
- Construction & logistic sites
- Station, depot or other building
- Traction Power Compound
- Noise barrier
- Hedgerow habitat creation
- Hedgerow habitat enhancement
- Scrub habitat creation
- Scrub habitat enhancement
- Wetland habitat creation
- Wetland habitat enhancement
- Replacement public open space
- Preliminary utilities diversion
- Utilities construction zone
- Overall temporary construction boundary
- Limit of permanent works
- Groundwater mitigation
- Watercourse diversion

Rev	Date	Description	By	Chkd	Appd	Auth
P01	21/01/22	Design Freeze 2	---	---	---	---
P02	11/02/22	DF2 (boundaries updated)	---	---	---	---

ARUP & Partners

8 Fitzroy Street
London W1T 4BJ
Tel +44 20 7636 1531 Fax +44 20 7580 3924
www.arup.com

Client: **east west RAIL**

Project Title
EWR Engineering Partner

Drawing Title
EWR - Plan Profile Drawing - Core Section - 4 of 8

Scale at A1: As Shown
Anup Job No: 270741-00

Role: Civil Engineer

Suitability: S3 - Suitable for Review & Comment

Rev	By	Chkd	ID	Appd	PS	Auth	
P02	LK	---	---	---	---	---	
Date	10/02/22	Date	11/02/22	Date	11/02/22	Date	---

Name: **EWR_PGM-ARU-ZZ-XX-SC-C-000413**

Project	Originator	Volume	Location	Type	Role	Number