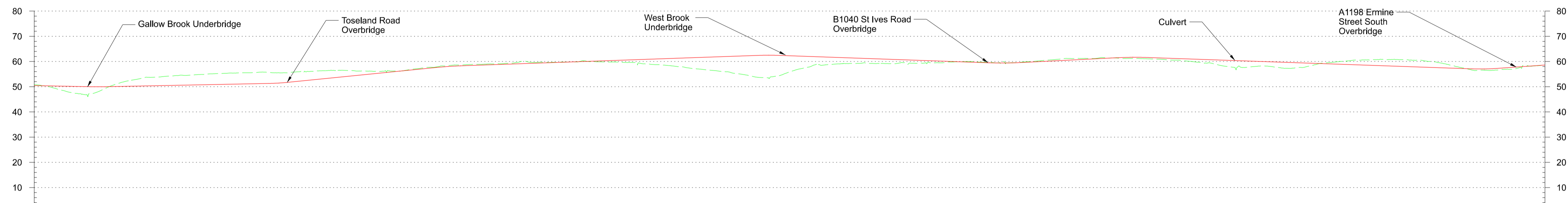
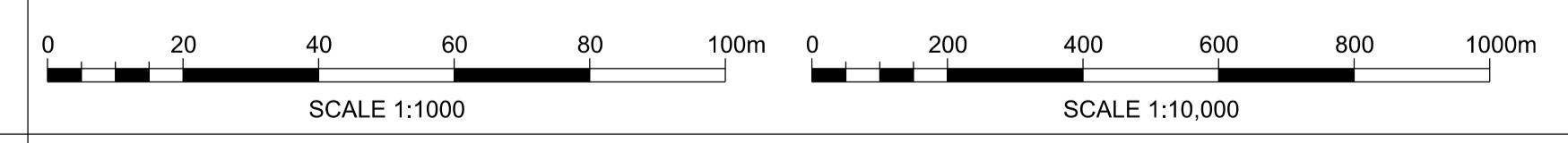


PLAN
SCALE 1:10,000 @ A1



Down Main CL	Chainage	CSA 27+000 to CSA 33+000																																																																																			
	Horizontal Alignment	L=2236, L=45, R=5000, L=870, L=65, L=144, L=85, R=5003, L=739, L=45, L=1719, L=1403, L=324																																																																																			
Vertical Alignment	L=589 G=0.20%, L=100 R=25000, L=630 G=0.20%, L=80 R=10000, L=584 G=1.00%, L=97 R=15000, L=1189 G=0.35%, L=70 R=10000, L=840 G=-0.35%, L=127 R=15000, L=379 G=0.50%, L=127 R=15000, L=1282 G=-0.35%, L=100 R=9500, L=1046 G=0.70%																																																																																				
Existing Level	50.8	48.8	46.9	50.1	52.8	53.9	54.5	55.1	55.4	55.8	55.8	55.5	56.1	56.4	56.2	55.9	56.9	56.9	57.9	57.9	58.3	58.6	59.0	59.4	59.6	59.6	59.8	59.8	60.0	60.4	60.7	61.1	61.4	61.8	62.1	62.5	62.3	61.9	61.6	61.2	61.2	59.4	59.1	59.3	59.5	59.5	60.3	60.3	61.2	61.2	61.4	61.1	61.3	60.6	60.0	60.6	58.7	60.3	57.6	58.1	58.1	59.9	58.1	59.9	57.4	59.2	59.1	58.9	60.1	58.9	60.6	60.6	60.9	60.9	60.5	60.5	57.8	57.5	59.1	55.9	56.6	57.2	57.9	57.6	58.6
Proposed Level	50.4	50.2	50.0	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.7	52.7	53.7	54.7	55.7	56.7	57.7	58.3	58.6	59.0	59.4	59.6	59.6	60.0	60.4	60.7	61.1	61.4	61.8	62.1	62.5	62.3	61.9	61.6	61.2	61.2	60.9	60.5	60.2	59.8	59.9	59.9	59.5	59.5	60.0	60.3	60.5	61.2	61.2	61.4	61.1	61.3	60.6	61.0	60.6	60.6	58.7	60.3	57.6	58.1	58.1	59.9	57.4	59.2	59.1	58.9	60.1	58.9	60.6	60.6	60.9	60.9	60.5	60.5	57.8	57.5	59.1	55.9	56.6	57.2	57.9	57.6	58.6		
Cut and Fill	-0.4	+1.4	+3.1	-0.1	-2.6	-3.5	-3.9	-4.3	-4.4	-4.6	-3.8	-3.4	-2.7	-1.5	-0.2	-0.2	-0.2	-0.2	-0.3	-0.4	-0.4	-0.3	-0.1	0.0	+0.6	+1.2	+2.5	+4.0	+5.4	+7.0	+8.9	+6.4	+3.3	+2.6	+1.8	+1.8	+1.2	+0.7	-0.1	-0.2	-0.1	-0.3	-0.7	-0.2	-0.1	+0.6	+0.7	+1.0	+1.9	+2.7	+1.8	+2.2	+0.1	-1.2	-2.1	-2.7	-2.7	-1.6	+0.2	+0.6	+0.3	0.0																							
Design Speed	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	LK	ID	LG	--
P02	11/02/22	DF2 (boundaries updated)	LK	ID	PS	--

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east west RAIL

Project Title
EWR Engineering Partner

Drawing Title
EWR - Plan Profile Drawing - Core Section - 5 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	ID	PS	--	--	--	
Date	10/02/22	Date	11/02/22	Date	11/02/22	Date	--

Name: **EWR_PGM-ARU-ZZ-XX-SC-C-000414**

Project	Originator	Volume	Location	Type	Role	Number