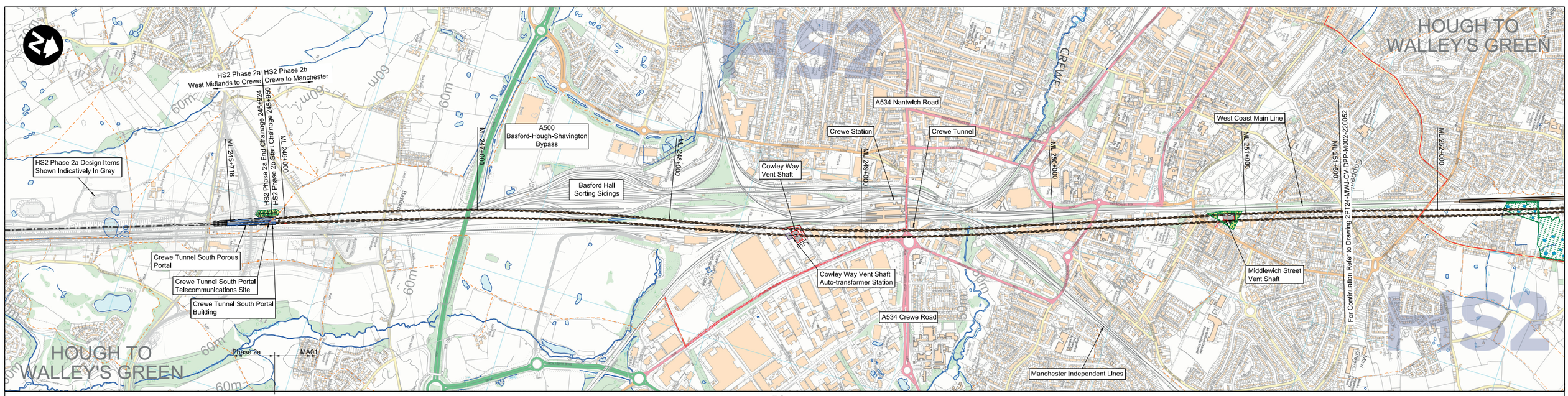
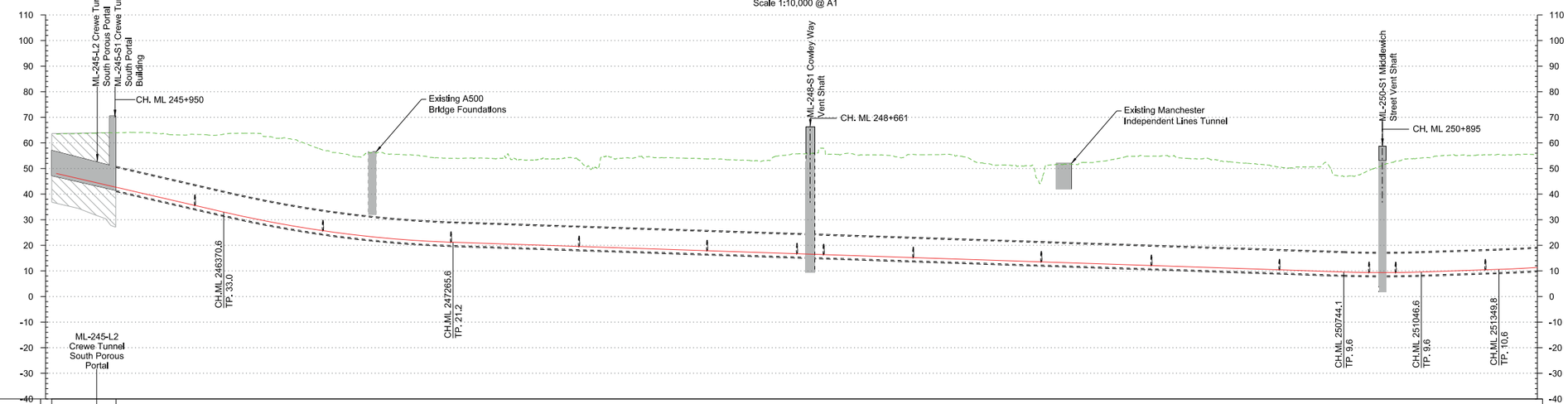


Plan

Scale 1:10,000 @ A1



Route Element ID	ML-245-L1 Crewe Tunnel
Chainage	ML 245+716 · ML 245+800 · ML 245+900 · ML 246+000 · ML 246+100 · ML 246+200 · ML 246+300 · ML 246+400 · ML 246+500 · ML 246+600 · ML 246+700 · ML 246+800 · ML 246+900 · ML 247+000 · ML 247+100 · ML 247+200 · ML 247+300 · ML 247+400 · ML 247+500 · ML 247+600 · ML 247+700 · ML 247+800 · ML 247+900 · ML 248+000 · ML 248+100 · ML 248+200 · ML 248+300 · ML 248+400 · ML 248+500 · ML 248+600 · ML 248+700 · ML 248+800 · ML 248+900 · ML 249+000 · ML 249+100 · ML 249+200 · ML 249+300 · ML 249+400 · ML 249+500 · ML 249+600 · ML 249+700 · ML 249+800 · ML 249+900 · ML 250+000 · ML 250+100 · ML 250+200 · ML 250+300 · ML 250+400 · ML 250+500 · ML 250+600 · ML 250+700 · ML 250+800 · ML 250+900 · ML 251+000 · ML 251+100 · ML 251+200 · ML 251+300 · ML 251+400 · ML 251+500
Horizontal Alignment	R=-12500.0 L=214.0 L=290.0 L=408.1 · R=10240.0 L=1426.6 · L=290.0 L=290.0 · R=-10240.0 L=1187.2 · L=290.0 · L=930.3 · L=165.0 · R=20480.0 L=896.4
Vertical Alignment	L=893.0 G=-2.305% · L=895.0 R=-45400.0 · L=3478.5 G=-0.333% · L=302.5 R=-45400.0 · L=303.2 G=0.333% · L=813.4 R=-45400.0
Existing Level	63.4 · 63.6 · 63.9 · 64.1 · 63.8 · 63.1 · 63.2 · 63.7 · 63.7 · 61.9 · 59.4 · 56.3 · 54.6 · 55.8 · 55.4 · 54.2 · 54.0 · 54.0 · 53.8 · 53.6 · 54.2 · 49.8 · 53.7 · 54.7 · 54.3 · 54.0 · 53.6 · 53.2 · 53.2 · 55.8 · 56.0 · 55.9 · 55.3 · 54.6 · 55.4 · 55.6 · 52.9 · 51.4 · 51.1 · 51.4 · 51.6 · 52.8 · 54.7 · 54.9 · 54.2 · 54.0 · 52.6 · 51.8 · 50.5 · 50.6 · 48.0 · 47.5 · 51.4 · 53.8 · 54.7 · 55.2 · 55.4 · 55.4 · 55.4
Proposed Level	48.4 · 46.1 · 43.8 · 41.5 · 39.2 · 36.9 · 34.8 · 32.3 · 30.2 · 28.3 · 26.6 · 25.1 · 23.9 · 22.8 · 22.0 · 21.4 · 21.1 · 20.7 · 20.4 · 20.1 · 19.7 · 19.4 · 19.1 · 18.7 · 18.4 · 18.1 · 17.7 · 17.4 · 17.1 · 16.7 · 16.4 · 16.1 · 15.7 · 15.4 · 15.1 · 14.7 · 14.4 · 14.1 · 13.7 · 13.4 · 13.1 · 12.7 · 12.4 · 12.1 · 11.7 · 11.4 · 11.1 · 10.7 · 10.4 · 10.1 · 9.7 · 9.4 · 9.3 · 9.5 · 9.8 · 10.1 · 10.4 · 10.8 · 11.4
Cut and Fill	-15.0 · -17.5 · -20.1 · -22.6 · -24.6 · -26.2 · -28.6 · -31.4 · -33.5 · -33.6 · -32.8 · -31.2 · -30.7 · -33.0 · -33.4 · -32.8 · -32.9 · -33.3 · -33.4 · -33.5 · -34.5 · -30.4 · -34.6 · -36.0 · -35.9 · -35.9 · -35.9 · -35.8 · -36.1 · -39.1 · -41.6 · -39.8 · -39.6 · -39.2 · -40.3 · -40.9 · -38.5 · -37.3 · -37.4 · -38.0 · -38.5 · -40.1 · -42.3 · -42.8 · -42.5 · -42.6 · -41.5 · -41.1 · -40.1 · -40.5 · -38.3 · -38.1 · -42.1 · -44.3 · -44.9 · -45.1 · -45.0 · -44.6 · -44.0
Design Speed	400km/h

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METRES @ 1:10000 0 100 200 500 1000

METRES @ 1:1000 0 10 20 50 100

Profile

Scale H:1:10,000 V:1:1000 @ A1

Fit for Acceptance

Rev	Description	Drawn	Checked	Con App	HS2 App
P02	AP1 Second Issue	CMC 06/12/2021	JSA 06/12/2021	GHU 06/12/2021	
P01	AP1 First Issue	MWI 27/08/2021	EMO 27/08/2021	GHU 27/08/2021	

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Scale with caution as distortion can occur.

Legends/Notes:

- Depot, station, headhouse, shaft or portal building
- Tunnel portal
- Railway system site
- Ecological mitigation pond
- Balancing pond
- Pumping station
- Replacement floodplain storage area
- Woodland habitat creation
- Wetland habitat creation
- Grassland habitat creation
- Landscape mitigation planting (scrub / woodland)
- Grassed areas
- Local placement
- Public realm
- Engineering earthworks
- Landscape earthworks
- Rail alignment formation
- Returned to suitable development use
- County boundary
- Borough / District boundary
- 50 Major contour
- Community area boundary
- Existing watercourse
- Watercourse diversions
- New Ditches
- Hedgerow
- UT Major utility works
- Noise fence barrier
- Car Park
- Existing public right of way
- New, diverted or realigned public right of way
- Public right of way closure
- Tunnels external extent
- HS2 access
- Realigned highway
- Light Rail Transit
- Rail alignment
- 10+000 Chainage (e.g. 10+000)

HS2

Registered in England
Registration No. 06791686
Registered office:
2 Snow Hill, Queensway,
Birmingham, B4 6GA

Creator/Originator: MW JV (Mott MacDonald and WSP Joint Venture)

Zone	M2 Wide – Hough to Bamfurlong
Design Stage	Hybrid Bill - Interim Preliminary Design AP1
Drawing Title	M2 Hough to Bamfurlong Plan & Profile Sheet 1 of 6 Chainage 245+716 to 251+500
Project/Contract	2DE01 Hybrid Bill Additional Provision 1 AP1
Discipline/Function	Civil
Drawn / Checked / Approved	CCL / EMO / GHU
Date / Scale / Size	27/08/2021 / AS SHOWN / A1
Drawing No. / Rev.	2PT24-MWJ-CV-DPP-M002-220051 / P02

HS2 Ltd-Code A Accepted