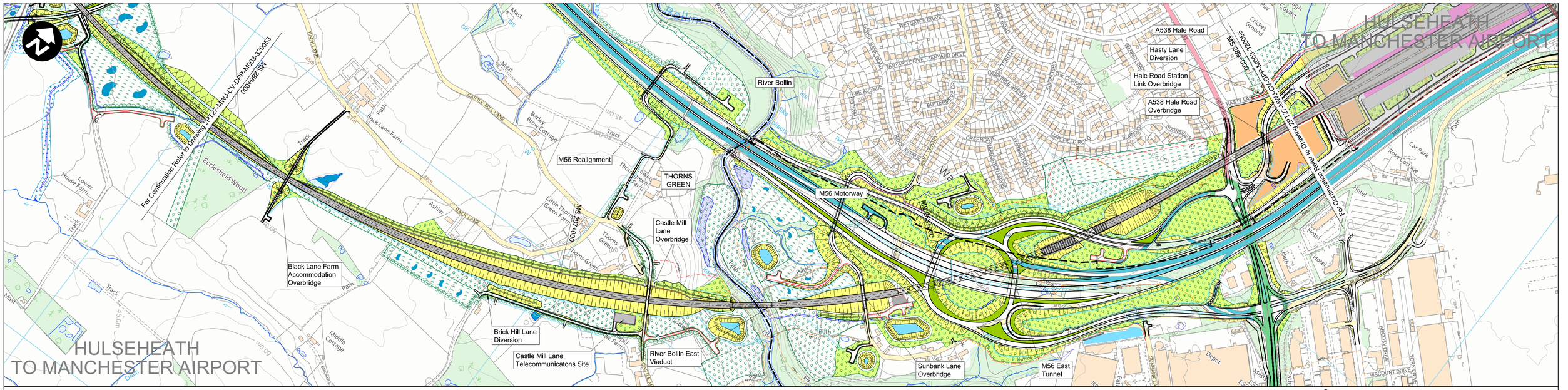
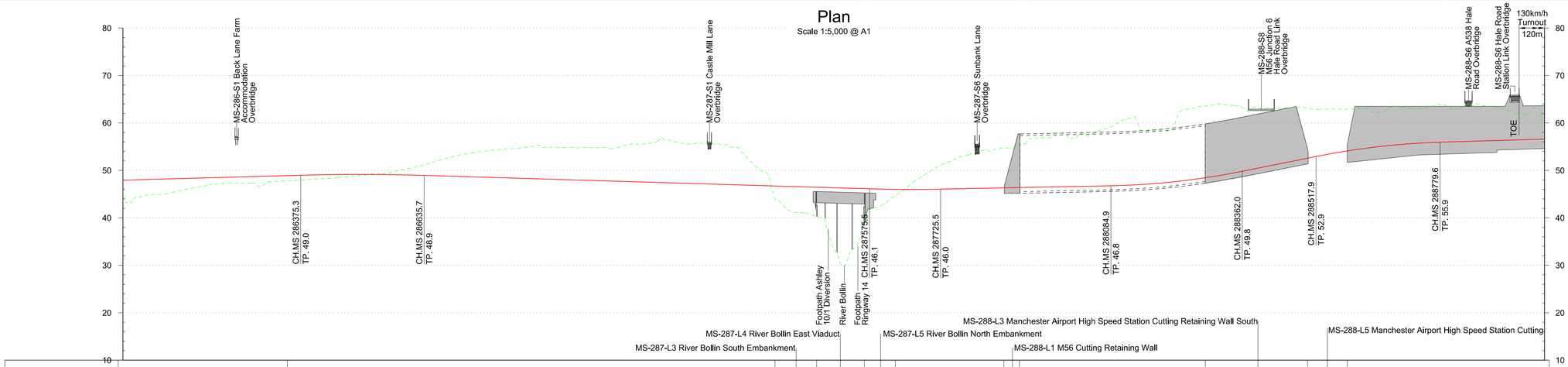


Plan

Scale 1:5,000 @ A1



Route Element ID	MS-285-L4 Thorns Green Embankment	MS-286-L2 Thorns Green Cutting	MS-287-L6 Halebank Cutting	MS-288-L2 M56 East Tunnel	MS-289-L1 Manchester Airport High Speed Station Cutting Retaining Wall North

Chainage	MS 286+000	MS 286+100	MS 286+200	MS 286+300	MS 286+400	MS 286+500	MS 286+600	MS 286+700	MS 286+800	MS 286+900	MS 287+000	MS 287+100	MS 287+200	MS 287+300	MS 287+400	MS 287+500	MS 287+600	MS 287+700	MS 287+800	MS 287+900	MS 288+000	MS 288+100	MS 288+200	MS 288+300	MS 288+400	MS 288+500	MS 288+600	MS 288+700	MS 288+800	MS 288+900	MS 289+000
Horizontal Alignment					R=-2325.0 L=1815.1								L=100.0							R=-2260.0 L=1382.4									L=175.0	L=1153.0	
Vertical Alignment					L=841.5 G=0.275%		L=260.5 R=45300.0				L=939.8 G=-0.300%						L=150.0 R=-30000.0		L=359.4 G=0.200%		L=277.1 R=-15400.0		L=155.9 G=2.000%		L=261.7 R=15400.0		L=493.4 G=0.300%				
Existing Level	44.6	44.8	45.3	46.4	47.2	47.3	47.2	47.8	48.1	48.4	48.9	49.3	50.3	51.5	52.9	53.9	54.4	54.9	54.9	54.8	54.8	54.9	55.6	56.4	55.6	55.6	54.7	49.8	42.0	40.8	33.5	34.4	42.6	46.1	49.6	52.1	53.9	54.6	55.6	56.8	56.7	57.9	60.0	58.3	58.3	63.0	63.8	63.6	63.1	63.1	63.1	63.0	63.0	62.3	63.3	63.2	63.0	63.8	63.3	61.9	58.9
Proposed Level	47.9	48.1	48.2	48.4	48.5	48.6	48.8	48.9	49.0	49.1	49.1	49.1	49.0	48.9	48.7	48.6	48.4	48.3	48.1	48.0	47.8	47.7	47.5	47.4	47.2	47.1	46.9	46.8	46.6	46.5	46.3	46.2	46.1	46.0	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	47.0	47.4	48.0	48.7	49.6	50.6	51.6	52.6	53.5	54.4	55.0	55.5	55.8	56.0	56.2	56.3	56.5	56.6
Cut and Fill	+3.3	+3.3	+2.9	+2.0	+1.3	+1.3	+1.6	+1.1	+0.9	+0.7	+0.2	-0.2	-1.3	-2.6	-4.2	-5.3	-6.0	-6.6	-6.8	-6.8	-7.0	-7.2	-8.1	-9.0	-8.4	-8.5	-7.8	-3.0	+4.6	+5.7	+12.8	+11.8	+3.5	-0.1	-3.6	-6.0	-7.7	-8.3	-9.2	-10.3	-10.1	-11.2	-13.2	-11.3	-10.9	-15.0	-15.1	-14.0	-12.5	-11.5	-10.5	-9.5	-8.6	-7.3	-7.8	-7.4	-7.0	-7.6	-7.0	-5.4	-2.3
Design Speed	230km/h																				200km/h										

Profile

Scale H:1;5,000 V:1:500 @ A1

Fit for Acceptance

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METRES @ 1:5000 0 50 100 200 500

METRES @ 1:500 0 5 10 20 50

Rev	Description	Drawn	Checked	Con App	HS2 App
P02	AP2 Second Issue	MWI 18/01/2023	TSH 18/12/2023	GHU 18/12/2023	
P01	AP2 First Issue	MWI 23/09/2022	TSH 23/09/2022	GHU 23/09/2022	

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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	M3 Wide – Hulseheath to Manchester
Design Stage	Hybrid Bill - Interim Preliminary Design AP2
Drawing Title	M3 Hulseheath to Manchester Piccadilly Station Plan & Profile Sheet 4 of 10 Chainage 286+000 to 289+000
Project/Contract	2DE01 Hybrid Bill Additional Provision 2 AP2
Discipline/Function	Civil
Drawn / Checked / Approved	CCL / TSH / GHU
Date / Scale / Size	21/09/2022 / AS SHOWN / A1
Drawing No. / Rev.	2PT27-MWJ-CV-DPP-M003-320054 / P02

HS2 Ltd - Code 1 - Accepted