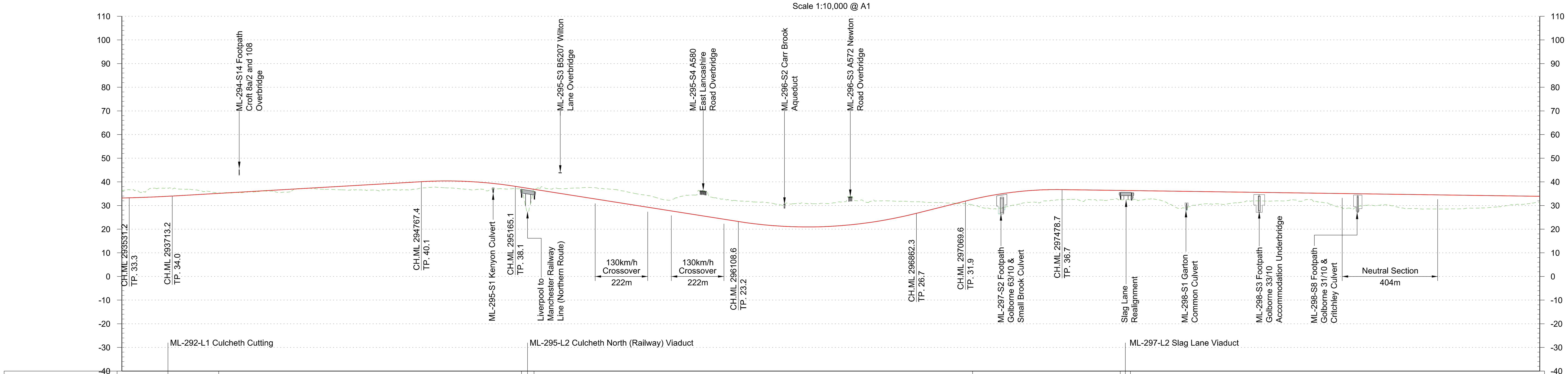
Plan

Scale 1:10,000 @ A1



Route Element ID: ML-293-L1 Culcheth North Embankment; ML-295-L1 Lowton Cutting; ML-297-L1 Lowton South Embankment; ML-297-L3 Lowton North Embankment

Horizontal Alignment: R=2999.0 L=3264.0; L=195.0; L=1049.9; L=249.8; R=-2101.0 L=1222.0; L=249.8; L=1040.5; L=210.0; R=2379.0 L=1541.9

Vertical Alignment: L=2400.5 G=0.250%; L=182.0 R=-56000.0; L=1054.2 G=0.575%; L=397.7 R=18500.0; L=943.5 G=-1.575%; L=753.7 R=-18500.0; L=207.4 G=2.500%; L=409.1 R=15500.0; L=2479.7 G=-0.140%

Chainage	Existing Level	Proposed Level	Cut and Fill
ML 293+500	36.1	33.2	-2.9
ML 293+600	35.7	33.5	-2.2
ML 293+700	37.4	33.9	-3.5
ML 293+800	36.7	34.5	-2.2
ML 293+900	35.4	35.1	-0.3
ML 294+000	35.4	35.7	+0.3
ML 294+100	36.1	36.2	+0.1
ML 294+200	35.7	36.8	+1.1
ML 294+300	37.2	37.4	+0.2
ML 294+400	36.8	38.0	+1.2
ML 294+500	36.4	38.5	+2.1
ML 294+600	36.6	39.1	+2.5
ML 294+700	36.6	39.7	+3.1
ML 294+800	37.7	40.2	+2.5
ML 294+900	37.4	40.4	+3.0
ML 295+000	36.8	40.0	+3.2
ML 295+100	37.2	39.0	+1.8
ML 295+200	33.8	37.5	+3.7
ML 295+300	37.2	36.0	-1.2
ML 295+400	37.3	34.4	-2.9
ML 295+500	37.6	32.8	-4.8
ML 295+600	36.5	31.2	-5.3
ML 295+700	34.6	29.7	-4.9
ML 295+800	32.4	28.1	-4.3
ML 295+900	34.4	26.5	-7.9
ML 296+000	33.4	24.9	-8.5
ML 296+100	32.0	23.4	-8.6
ML 296+200	31.4	22.0	-9.4
ML 296+300	30.1	21.2	-8.9
ML 296+400	30.8	20.9	-9.9
ML 296+500	30.9	21.2	-9.7
ML 296+600	32.1	22.0	-10.1
ML 296+700	32.0	23.4	-8.6
ML 296+800	31.8	25.3	-6.5
ML 296+900	31.4	27.7	-3.7
ML 297+000	31.1	30.2	-0.9
ML 297+100	30.2	32.6	+2.4
ML 297+200	28.5	34.6	+6.1
ML 297+300	30.6	35.9	+5.3
ML 297+400	31.9	36.6	+4.7
ML 297+500	32.5	36.7	+4.2
ML 297+600	32.4	36.6	+4.2
ML 297+700	32.6	36.4	+3.8
ML 297+800	32.1	36.3	+4.2
ML 297+900	32.0	36.1	+4.1
ML 298+000	28.9	36.0	+7.1
ML 298+100	30.8	35.9	+5.1
ML 298+200	31.0	35.7	+4.7
ML 298+300	32.0	35.6	+3.6
ML 298+400	32.0	35.4	+3.4
ML 298+500	32.1	35.3	+3.2
ML 298+600	31.1	35.2	+4.1
ML 298+700	28.7	35.0	+6.3
ML 298+800	30.0	34.9	+4.9
ML 298+900	29.3	34.7	+5.4
ML 299+000	28.5	34.6	+6.1
ML 299+100	28.5	34.5	+6.0
ML 299+200	28.9	34.3	+5.4
ML 299+300	29.2	34.2	+5.0
ML 299+400	30.4	34.0	+3.6
ML 299+500	31.4	33.9	+2.5

Design Speed: 230km/h (ML 293+500 to ML 296+500); 210km/h (ML 296+500 to ML 299+500)

Profile

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

Fit for Acceptance

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METRES @ 1:10000 — 0, 100, 200, 500, 1000

METRES @ 1:1000 — 0, 10, 20, 50, 100

Rev	Description	Drawn	Checked	Con App	HS2 App
P08	HBD Second Issue	DEG 21/04/2021	JSA 21/04/2021	GHU 21/04/2021	
P07	HBD First Issue	CCL 13/02/2021	JSA 13/02/2021	GHU 13/02/2021	
P06	CP3 Third Issue	DPL 02/10/2019	GHU 02/10/2019	DCL 02/10/2019	
P05	CP3 Second Issue	DPL 06/09/2019	TSH 06/09/2019	DCL 06/09/2019	
P04	CP3 First Issue	DPL 02/07/2019	TSH 02/07/2019	DCL 02/07/2019	

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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
Project/Contract	CDES Area 1 (CE1)
Design Stage	Interim Preliminary Design HBD
Discipline/Function	Civil
Drawing Title	M2 Hough to Bamfurlong Plan & Profile Sheet 9 of 10 Chainage 293+500 to 299+500
Drawn	DPL
Checked	GHU
Approved	MSI
Date	29/01/2018
Scale	AS SHOWN
Size	A1
Drawing No.	2DE01-MWJ-CV-DPP-M002-220059
Rev.	P08

Code 1 - Accepted