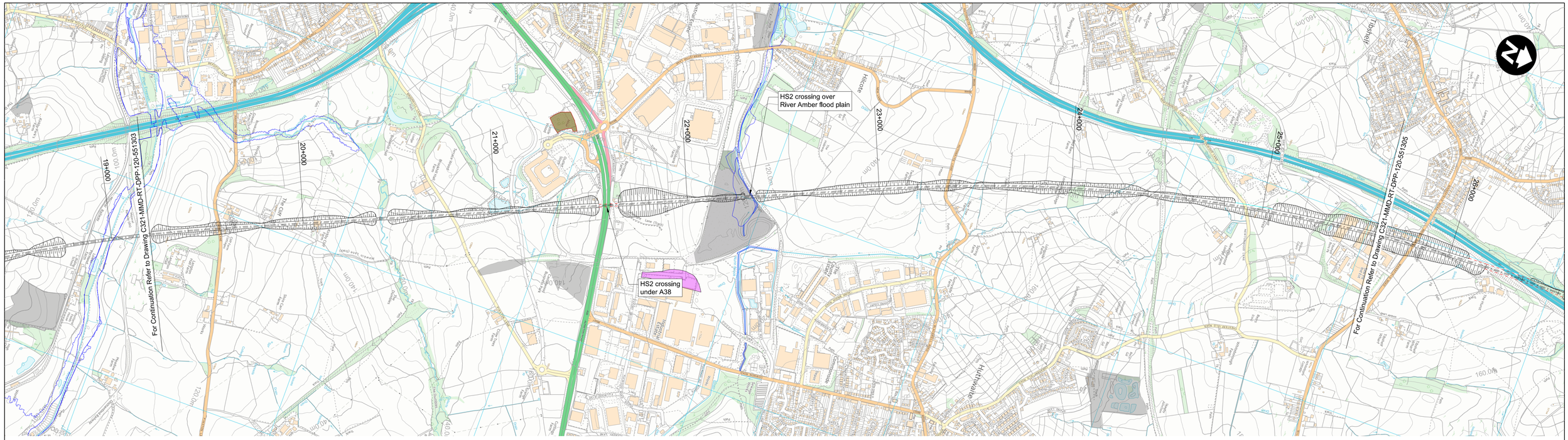
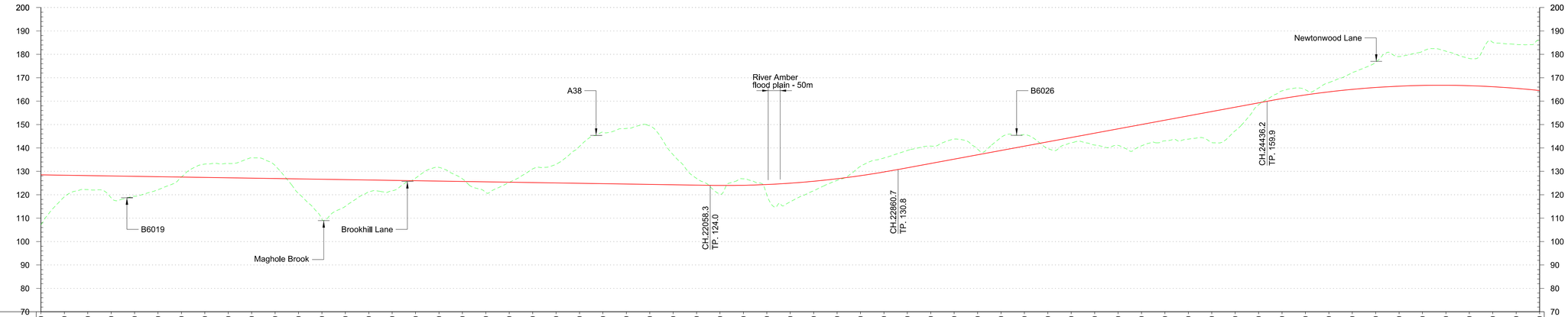


Plan

Scale 1:10,000 @ A1



Chainage	19+200 19+300 19+400 19+500 19+600 19+700 19+800 19+900 20+000 20+100 20+200 20+300 20+400 20+500 20+600 20+700 20+800 20+900 21+000 21+100 21+200 21+300 21+400 21+500 21+600 21+700 21+800 21+900 22+000 22+100 22+200 22+300 22+400 22+500 22+600 22+700 22+800 22+900 23+000 23+100 23+200 23+300 23+400 23+500 23+600 23+700 23+800 23+900 24+000 24+100 24+200 24+300 24+400 24+500 24+600 24+700 24+800 24+900 25+000 25+100 25+200 25+300 25+400 25+500 25+600
Horizontal Alignment	R=8250.0 L=1617.6 · 19409.2 · L=375.0 · 19784.2 · L=3088.3 · 22872.5 · L=375.0 · 23247.5 · R=8250.0 L=3560.3
Vertical Alignment	L=3165.2 G=-0.157% · L=802.4 R=-40000.0 · L=1575.4 G=1.850% · L=1515.4 R=40000.0
Existing Level	107.1 119.1 122.2 118.7 119.4 122.1 127.6 133.1 133.4 135.8 132.5 120.6 109.5 115.0 121.2 121.7 127.1 131.7 126.8 120.9 125.3 131.0 133.0 140.6 146.8 148.3 149.4 137.1 127.0 120.2 126.8 119.9 117.0 121.7 126.1 132.2 135.7 138.9 140.8 143.8 139.5 144.5 145.7 139.7 142.2 141.2 141.1 140.9 143.0 143.8 142.3 147.3 158.4 164.4 164.9 167.9 172.2 176.6 179.0 181.3 181.3 178.2 185.1 184.3 186.1
Proposed Level	128.5 128.3 128.2 128.0 127.9 127.7 127.6 127.4 127.2 127.1 126.9 126.8 126.6 126.5 126.3 126.1 126.0 125.8 125.7 125.5 125.4 125.2 125.1 124.9 124.7 124.6 124.4 124.3 124.1 124.0 124.0 124.4 124.9 125.8 126.8 128.2 129.7 131.5 133.4 135.2 137.1 138.9 140.8 142.6 144.5 146.3 148.2 150.0 151.9 153.7 155.6 157.4 159.3 161.1 162.6 164.0 165.0 165.8 166.4 166.7 166.8 166.6 166.2 165.5 164.5
Cut and Fill	+21.4 +9.2 +6.0 +9.3 +8.5 +5.6 0.0 -5.7 -6.2 -8.7 -5.6 +6.2 +17.1 +11.5 +5.1 +4.4 -1.1 -5.9 -1.1 +4.6 +0.1 -5.8 -7.9 -15.7 -22.1 -23.7 -25.0 -12.8 -2.9 +3.8 -2.8 +4.5 +7.9 +4.1 +0.7 -4.0 -6.0 -7.4 -7.4 -8.6 -2.4 -5.6 -4.9 +2.9 +2.3 +5.1 +7.1 +9.1 +8.9 +9.9 +13.3 +10.1 +0.9 -3.3 -2.3 -3.9 -7.2 -10.8 -12.6 -14.6 -14.5 -11.6 -18.9 -18.8 -21.6
Design Speed	400km/h

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 Condition A

Rev	Description	Drawn	Checked	Con App	HS2 App
P04	Fit for Condition A	JFF 08/07/13	RC 05/07/13	TW 05/07/13	
P03	Fit for Condition A	JA 18/06/13	RC 18/06/13	TW 18/06/13	
P02	Client's comments addressed	JA 23/05/13	RC 23/05/13	TW 23/05/13	
P01	First Issue	JA 10/05/13	RC 02/05/13	TW 02/05/13	

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Scale with caution as distortion can occur.

Legends/Notes:

Key Environmental Features Legend

- World Heritage Site
- Ramsar
- Special Areas of Conservation
- Special Protection Areas
- SSSI
- National Nature Reserves
- Area of Outstanding Natural Beauty
- National Park
- Scheduled Monuments
- Registered Parks and Gardens
- Historical Battlefields
- Active and/or Authorised Landfill
- Historical Landfill
- Flood Zones

Legend

- Track Centrelines
- Viaduct
- Tunnel
- Fully Retained Cutting/Fill
- Major Contour
- Ground Profile
- Track Profile
- Minor Contour
- Node

Engineering Earthworks

- Railway Cutting
- Railway Embankment
- HS2 Depot/Station Operational Boundary

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Creator/Originator: Mott MacDonald

HS2 Security Classification: INTERNAL

Zone: Leeds Leg Central

Design Stage: Pre-Consultation

Drawing Title: Route HSL13 Plan and Profile Sheet 4 of 7

Project/Contract: West Midlands to Leeds Route

Discipline/Function: Railway Track

Drawn	Checked	Approved
GKR	RC	TW

Date	Scale	Size
02/05/2013	1:10000	A1

Drawing No.: C321-MMD-RT-DPP-120-551304

Rev.: P04