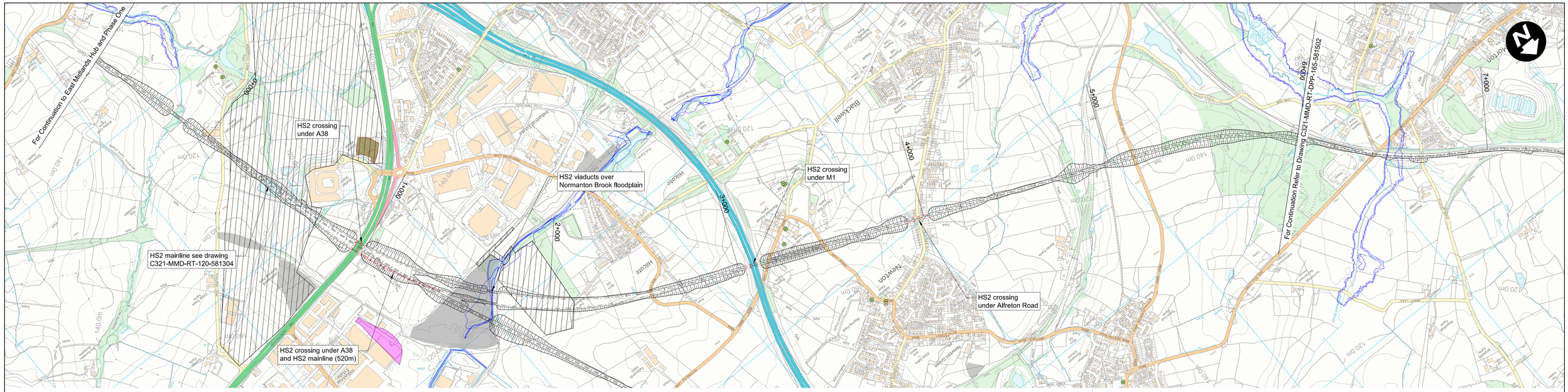
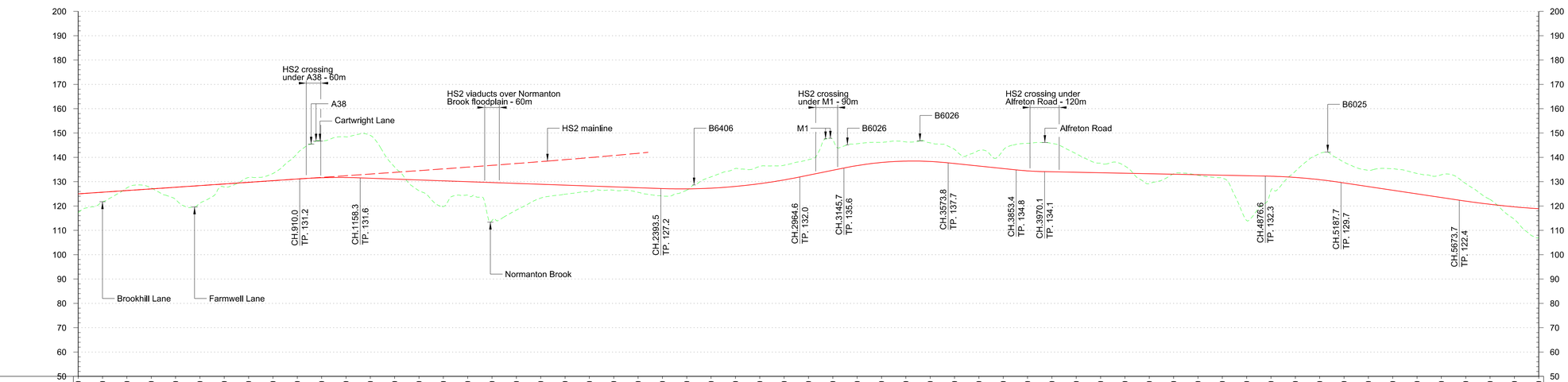


Plan

Scale 1:10,000 @ A1

HSL13 ◄ ► HSL15A

HSL15A 581501 Ch.0+000 is equivalent to HSL13 Ch.20+703



Chainage	0+000 0+100 0+200 0+300 0+400 0+500 0+600 0+700 0+800 0+900 1+000 1+100 1+200 1+300 1+400 1+500 1+600 1+700 1+800 1+900 2+000 2+100 2+200 2+300 2+400 2+500 2+600 2+700 2+800 2+900 3+000 3+100 3+200 3+300 3+400 3+500 3+600 3+700 3+800 3+900 4+000 4+100 4+200 4+300 4+400 4+500 4+600 4+700 4+800 4+900 5+000 5+100 5+200 5+300 5+400 5+500 5+600 5+700 5+800 5+900 6+000
Horizontal Alignment	0.0 T6100 - 49T 468.8 L=444.9 613.8 L=240.0 853.8 R=-2250.0 L=1769.6 2623.5 L=240.0 2863.5 L=2409.3 5272.8 L=150.0 5422.8 R=1500.0 L=612.3
Vertical Alignment	L=910.0 G=0.679% L=248.3 R=24000.0 L=1235.2 G=-0.355% L=571.1 R=-24000.0 L=181.1 G=2.024% L=428.2 R=14000.0 L=279.5 G=-1.034% L=116.8 R=-14000.0 L=906.5 G=-0.200% L=311.1 R=24000.0 L=486.0 G=-1.497% L=764.2 R=-38800.0
Existing Level	117.3 121.8 127.5 127.5 122.7 121.1 127.8 131.7 133.4 141.6 146.7 148.4 149.0 136.0 128.3 119.8 124.5 114.0 118.3 123.3 124.8 125.9 126.5 125.6 124.1 126.5 132.0 135.4 136.3 136.8 139.0 147.3 145.6 146.2 146.3 146.0 143.3 142.8 143.0 145.8 145.7 141.5 137.6 136.4 129.2 133.2 132.7 131.5 114.0 126.5 134.3 141.6 138.0 134.6 135.3 133.4 132.8 129.3 122.7 114.5 107.0
Proposed Level	125.0 125.7 126.4 127.0 127.7 128.4 129.1 129.8 130.4 131.1 131.6 131.7 131.4 131.1 130.7 130.4 130.0 129.7 129.3 128.9 128.6 128.2 127.9 127.5 127.2 127.0 127.3 128.1 129.2 130.7 132.7 134.7 136.6 137.9 138.5 138.3 137.5 136.4 135.4 134.4 134.1 133.9 133.7 133.5 133.3 133.1 132.9 132.7 132.5 132.3 131.7 130.8 129.5 128.0 126.5 125.0 123.5 122.0 120.7 119.7 118.9
Cut and Fill	+7.7 +3.9 -1.1 -0.5 +5.0 +7.3 +1.3 -1.9 -3.0 -10.5 -15.1 -16.7 -17.6 -4.9 +4.4 +10.6 +5.5 +15.7 +11.0 +5.6 +3.8 +2.3 +1.4 +1.9 +3.1 +0.5 -4.7 -7.3 -7.1 -6.1 -6.3 -12.6 -9.0 -8.3 -7.8 -7.7 -5.8 -6.4 -7.6 -11.4 -11.6 -7.6 -3.9 -2.9 +4.1 -0.1 +0.2 +1.2 +18.5 +5.8 -2.6 -10.8 -8.5 -6.6 -8.8 -8.4 -9.3 -7.3 -2.0 +5.2 +11.9
Design Speed	200km/h / 160km/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 Acceptance

Rev	Description	Drawn	Checked	Con App	HS2 App
P02	Client's Comments Addressed	JV 29/06/16	AR 29/06/16	MM 29/06/16	
P01	First Issue	JV 20/06/16	AR 20/06/16	MM 20/06/16	

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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
- Major Development Sites
- Scheduled Monuments
- Registered Parks and Gardens
- Historical Battlefields
- Active and/or Authorised Landfill
- Historical Landfill
- Flood Zones
- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II

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

Zone	South Yorkshire Spur
Design Stage	Pre-Consultation
Drawing Title	HSL15A M18 / Eastern Route Sheet 1 of 2
Project/Contract	West Midlands to Leeds Route
Discipline/Function	Railway Track
Drawn / Checked / Approved	JV / AR / MM
Date / Scale / Size	29/06/2016 / 1:10000 / A1
Drawing No. / Rev.	C321-MMD-RT-DPP-165-581501 / P02