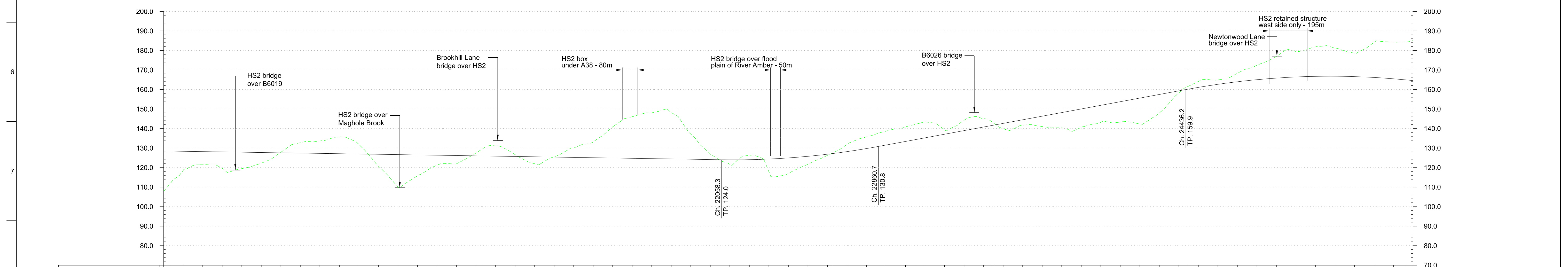


Plan  
Scale 1:10000 @ A1



Profile  
Scale H 1:10000 V 1:1000 @ 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		L=375.0		L=3088.3												L=375.0		R=8250.0 L=3560.3																																															
Vertical Alignment	L=3165.2 G=-0.16%												L=802.4 R=40000.0						L=1575.4 G=1.85%						L=1515.4 R=40000.0																																									
Existing Ground Level	107.8	118.5	121.4	119.6	119.5	122.2	127.8	132.7	133.6	135.7	131.8	120.7	110.1	115.8	121.2	121.9	127.4	131.5	126.6	122.0	125.5	130.2	133.1	140.8	146.0	148.0	148.2	137.1	126.9	121.6	126.2	131.8	135.7	138.7	131.5	140.9	143.4	139.4	144.2	145.1	139.9	141.7	141.0	140.3	140.6	143.1	143.3	142.3	148.0	158.2	164.1	164.9	168.3	172.4	176.8	179.4	181.8	181.2	178.6	184.1	184.2	185.3				
Proposed Track 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	123.8	123.7	123.5	123.4	123.2	123.1	122.9	122.8	122.6	122.5	122.3	122.2	122.0	121.9	121.7	121.6	121.4	121.3	121.1	121.0	120.8	120.6	120.5	120.3	120.2	120.0	119.9	119.7	119.6	119.4	119.3	119.1	119.0	118.8	118.7	118.5
Cut and Fill	+20.7	+9.8	+6.8	+8.4	+8.4	+5.5	-0.2	-5.3	-6.4	-8.6	-4.9	+6.1	+16.5	+10.7	+5.1	+4.2	-1.4	-5.7	-0.9	+3.5	-0.1	-5.0	-8.0	-15.9	-21.3	-23.4	-23.8	-12.8	-2.8	+2.4	-2.2	+6.5	+7.9	+4.1	+0.6	-3.6	-6.0	-7.2	-7.5	-8.2	-2.3	-5.3	-4.3	+2.7	+2.8	+5.3	+7.9	+9.4	+8.8	+10.4	+13.3	+9.4	+1.1	-3.0	-2.3	-4.3	-7.4	-11.0	-13.0	-15.1	-14.4	-12.0	-17.9	-18.7	-20.8	
Maximum Speed:	400km/h																																																																	

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**Key Environmental Features Legend**

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

**Legend**

- Alignment Centreline
- Viaduct / Tunnel / Retained Structure
- Major Contour
- Minor Contour
- Node
- Railway Cutting
- Railway Embankment
- Highway Cutting
- Highway Embankment

3.0	- /12/12	LK	MP	CL
2.0	- /12/12	LK	MP	CL
Issue	Date	By	Chkd	Appd

Client: **hs2**

Job Title: **HS2 West Midlands to Leeds Initial Preferred Route December 2012**

Scale at A1: 1:10000

Discipline: Rail

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

Drawing Status: **214866-00**

Drawing No: **HS2-ARP-LR0-DR-RT-55134**

Issue: **3.0**

ARUP