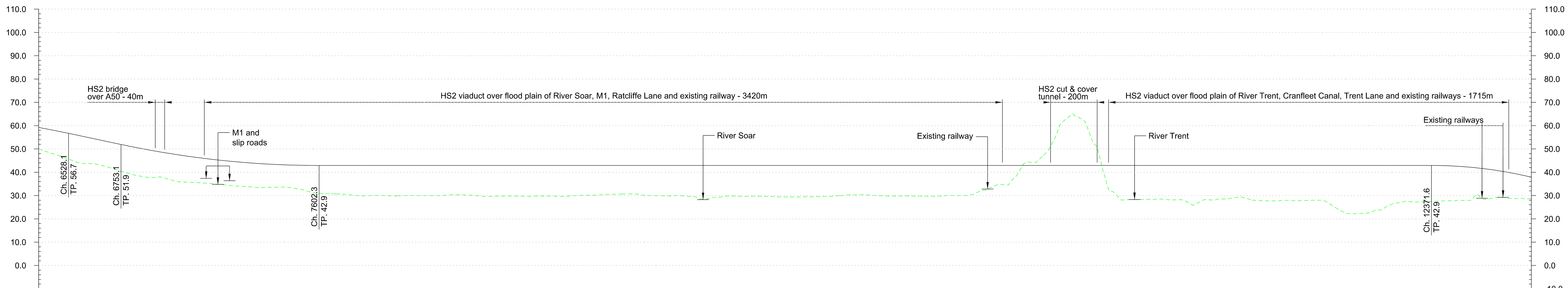
Plan

Scale 1:10000 @ A1



Chainage	6+400	6+500	6+600	6+700	6+800	6+900	7+000	7+100	7+200	7+300	7+400	7+500	7+600	7+700	7+800	7+900
Existing Ground Level	50.0	46.6	43.6	42.1	39.0	37.8	35.9	35.4	34.5	33.7	33.5	33.0	30.8	30.6	29.9	29.9
Proposed Track Level	59.2	57.3	55.2	53.1	51.0	49.1	47.4	46.1	44.9	44.1	43.4	43.0	42.9	42.9	42.9	42.9
Cut and Fill	+9.2	+10.7	+11.6	+11.0	+12.0	+11.3	+11.5	+10.7	+10.4	+10.4	+9.9	+10.0	+12.1	+12.3	+13.0	+13.0

Chainage	8+000	8+100	8+200	8+300	8+400	8+500	8+600	8+700	8+800	8+900	9+000	9+100	9+200	9+300	9+400	9+500
Existing Ground Level	30.0	30.0	30.3	29.7	29.8	29.7	29.8	30.0	30.3	30.7	30.1	29.8	29.5	29.2	29.7	29.7
Proposed Track Level	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
Cut and Fill	+12.9	+12.9	+12.6	+13.2	+13.1	+13.2	+13.1	+12.9	+12.6	+12.2	+12.8	+13.1	+13.4	+13.7	+13.2	+13.2

Chainage	9+600	9+700	9+800	9+900	10+000	10+100	10+200	10+300	10+400	10+500	10+600	10+700	10+800	10+900	11+000	11+100
Existing Ground Level	29.4	29.5	29.7	30.3	29.9	29.8	29.7	30.0	30.5	34.3	40.2	46.7	62.6	57.5	31.7	28.3
Proposed Track Level	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
Cut and Fill	+13.5	+13.4	+13.2	+12.6	+13.0	+13.1	+13.2	+12.9	+12.4	+8.6	+2.7	-3.8	-19.7	-14.6	+11.2	+14.6

Chainage	11+200	11+300	11+400	11+500	11+600	11+700	11+800	11+900	12+000	12+100	12+200	12+300	12+400	12+500	12+600	12+700	12+800
Existing Ground Level	28.5	28.2	28.2	28.6	28.0	27.7	27.8	28.0	22.5	22.6	26.3	27.3	27.6	27.9	28.3	28.8	28.6
Proposed Track Level	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.5	41.5	40.0	37.9
Cut and Fill	+14.4	+14.7	+14.7	+14.3	+14.9	+15.2	+15.1	+14.9	+20.4	+20.3	+16.6	+15.6	+15.3	+14.6	+13.2	+11.2	+9.3

Horizontal Alignment: L=1741.1 | L=330.0 | R=5260.0 L=1200.0 | L=150.0 | R=3900.0 L=3755.9

Vertical Alignment: L=1470.7 R=40000.0 | L=225.0 G=-2.12% | L=849.2 R=-40000.0 | L=4769.3 G=-0.00% | L=431.9 R=18310.0

Maximum Speed: 400km/h | 320km/h | 275km/h

Profile

Scale H 1:10000 V 1:1000 @ A1

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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

1:10000 200m 0 200m 400m 600m 800m 1000m

Legend

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

1:1000 20m 0 20m 40m 60m 80m 100m

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

Client: hs2

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

Scale at A1: 1:10000

Discipline: Rail

ARUP

Drawing Title: Route HSL09 Plan and Profile Sheet 2 of 3

Drawing Status: -

Job No: 214866-00

Drawing No: HS2-ARP-LR0-DR-RT-55092

Issue: 3.0

Do not scale

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