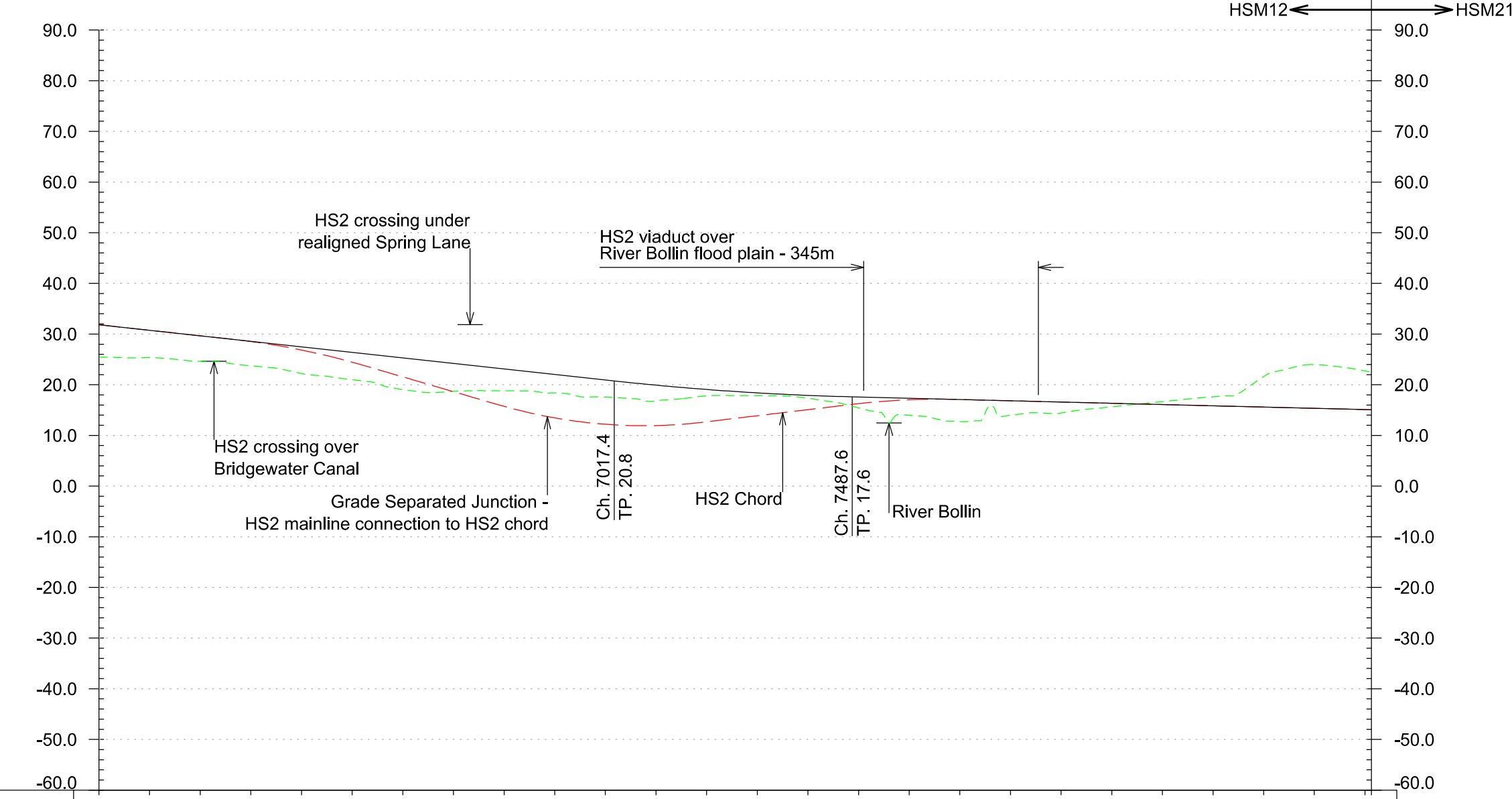


Plan
Scale 1:10,000 @ A1



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

Chainage	6+000	6+100	6+200	6+300	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	8+000	8+100	8+200	8+300	8+400	8+500		
Horizontal Alignment	TL=310.0m										L=2483.5m																	
Vertical Alignment	L=2277.3m G=-1.09%										L=470.2m R=56000m					L=1025.3m G=-0.25%												
Existing Level	25.4	25.4	24.6	23.7	22.2	21.0	19.1	16.7	18.8	18.4	17.6	16.8	17.8	17.8	17.3	15.4	14.0	12.7	14.0	14.4	15.6	16.1	16.7	17.6	21.6	24.0	22.5	
Proposed Track Level	31.8	30.7	29.7	28.6	27.5	26.4	25.3	24.2	23.1	22.0	20.9	19.9	19.1	18.4	17.9	17.6	17.3	17.1	16.8	16.6	16.3	16.1	15.8	15.6	15.3	15.1	15.1	
Cut and Fill	+6.4	+5.3	+5.1	+4.9	+5.3	+5.4	+6.2	+5.5	+4.3	+3.6	+3.3	+3.1	+1.3	+0.6	+0.6	+2.2	+3.3	+4.4	+2.8	+2.2	+0.7	-0.6	-1.8	-6.0	-8.7	-7.4		
Maximum Speed	360 km/h																											

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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 Zone 3

Legend

- Alignment Centreline
- Viaduct / Tunnel / Fully Retained Cutting
- Major Contour
- Minor Contour
- Node
- Retained structures will be used at depths of 15m or greater
- Railway Cutting
- Railway Embankment
- Highway Cutting
- Highway Embankment

Issue	Date	By	Chkd	Appd
P6	23.11.12	VS	RC	TW
P5	16.11.12	VS	RC	TW
P4	30.10.12	VS	RC	TW
P3	17.10.12	JA	RC	TW
P2	31.08.12	AS	RC	TW
P1	20.03.12	MM	RC	TW

Client: **hs2**

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

Scale at A1: **1:10000**

Discipline: **Rail**



Drawing Title: **Route HSM12 Plan and Profile**
Sheet 2 of 2

Drawing Status: -

Drawing No: **HS2-MSG-MR0-ZZ-DR-RT-51202**

Job No: **277592**

Issue: **P6**