



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	8+600	8+700	8+800	8+900	9+000	9+100	9+200	9+300	9+400	9+500	9+600	9+700	9+800	9+900	10+000	10+100	10+200	10+300	10+400	10+500	10+600	
Horizontal Alignment											L=3712.8m										TL=450.0m R=7300.0m L=591.7m										TL=450.0m L=134.2m																	
Vertical Alignment	L=2552.6m G=0.37%										L=365.7m R=38800m										L=3199.0m G=-0.57%																											
Existing Level	139.3	140.6	145.7	153.5	154.8	164.8	172.3	174.1	167.8	140.1	131.0	137.2	142.2	139.9	133.4	139.2	126.6	126.0	123.3	121.0	119.7	116.9	114.8	114.7	112.3	112.3	111.5	111.3	110.5	112.5	111.2	109.6	109.7	110.1	109.8	110.6	112.1	113.3	114.3	116.5	117.3	119.6	119.7	118.8	118.8	118.9	118.3	117.5
Proposed Track Level	125.6	126.0	126.4	126.7	127.1	127.5	127.8	128.2	128.6	128.9	129.3	129.6	129.7	129.5	129.1	128.5	127.9	127.4	126.8	126.2	125.7	125.1	124.5	123.9	123.4	122.8	122.2	121.7	121.1	120.5	119.9	119.4	118.8	118.2	117.7	117.1	116.5	115.9	115.4	114.8	114.2	113.7	113.1	112.5	111.9	111.4	110.8	
Cut and Fill	-13.7	-14.6	-19.3	-26.8	-27.7	-37.3	-44.5	-45.9	-39.2	-11.2	-1.7	-7.6	-12.5	-10.4	-4.3	-10.7	+1.3	+1.4	+3.5	+5.2	+6.0	+8.2	+9.7	+9.2	+11.1	+10.5	+10.7	+10.4	+10.6	+8.0	+8.7	+9.8	+9.1	+8.1	+7.9	+6.5	+4.4	+2.6	+1.1	-1.7	-3.1	-5.9	-6.6	-6.3	-7.0	-6.9	-6.7	
Maximum Speed	400 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

P4	23.11.12	JA	RC	TW
P3	16.11.12	JA	RC	TW
P2	30.10.12	AS	RC	TW
P1	16.10.12	AS	RC	TW
Issue	Date	By	Chkd	Appd

Client

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

Scale at A1
1:10000

Discipline
Rail

MOTT MACDONALD SCOTT WILSON GRIMSHAW

Drawing Title
Route HSM06
Plan and Profile
Sheet 2 of 2

Drawing Status
-

Job No
277592

Drawing No
HS2-MSG-MR0-ZZ-DR-RT-60602

Issue
P4