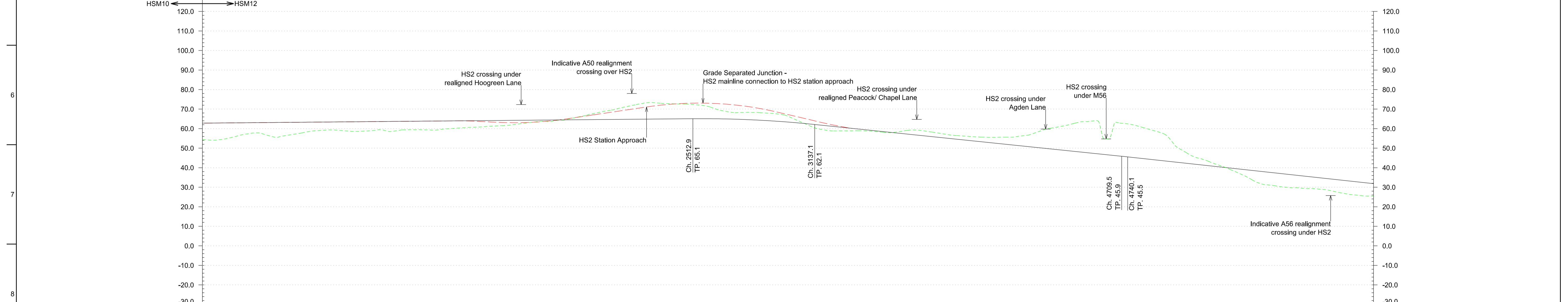


Plan
Scale 1:10,000 @ A1



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

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	L=1770.2m															TL=350.0m															R=-9000.0m L=1948.9m															TL=100.0m															R=-7250.0m L=1550.2m															TL=310.0m														
Vertical Alignment	L=2512.9m G=0.09%															L=624.2m R=55597m															L=1572.3m G=-1.03%															L=30.6m R=56400m															L=2277.3m G=-1.09%																													
Existing Level	54.4	54.5	56.8	57.6	56.0	57.7	59.1	59.1	58.6	59.4	59.0	59.5	59.3	60.2	60.8	61.4	62.1	63.4	63.9	65.5	67.7	69.6	71.9	73.4	72.7	72.4	71.1	68.5	68.4	67.9	66.3	66.3	62.0	59.1	58.9	58.9	58.1	59.0	58.8	57.3	56.3	55.3	57.3	56.2	55.7	55.6	56.3	59.1	59.1	61.2	61.2	63.5	60.6	62.9	61.1	58.2	50.1	41.6	45.0	41.6	40.5	37.6	32.6	30.7	29.8	29.3	29.3	27.8	26.1	25.4																				
Proposed Track Level	62.8	62.9	63.0	63.1	63.2	63.3	63.4	63.4	63.5	63.6	63.7	63.8	63.9	64.0	64.1	64.2	64.2	64.3	64.4	64.5	64.6	64.7	64.8	64.9	65.0	65.0	65.1	64.9	64.6	64.1	63.4	62.5	61.5	60.4	59.4	58.4	57.3	56.3	55.3	54.2	53.2	52.2	51.1	50.1	48.1	48.0	47.0	46.0	44.9	43.8	42.7	41.6	40.5	39.4	38.4	37.3	36.2	35.1	34.0	32.9	31.8																													
Cut and Fill	+8.4	+8.4	+6.2	+5.5	+7.2	+5.6	+4.3	+4.3	+4.9	+4.2	+4.7	+4.3	+4.6	+3.8	+3.3	+2.8	+2.1	+0.9	+0.5	-1.0	-3.1	-4.9	-7.1	-8.5	-7.7	-7.4	-6.0	-3.6	-3.8	-3.8	-2.9	+0.5	+2.4	+1.5	+0.5	+0.3	-1.7	-2.5	-2.0	-2.0	-2.5	-3.4	-5.2	-8.0	-12.1	-15.5	-13.6	-16.9	-16.2	-14.4	-7.4	-3.4	-1.1	+1.8	+5.8	+6.6	+6.4	+5.8	+6.2	+6.8	+6.4																													
Maximum Speed	400 km/h																														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

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
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 HSM12
Plan and Profile
Sheet 1 of 2

Drawing Status
-

Drawing No
HS2-MSG-MR0-ZZ-DR-RT-51201

Job No
277592

Issue
P6