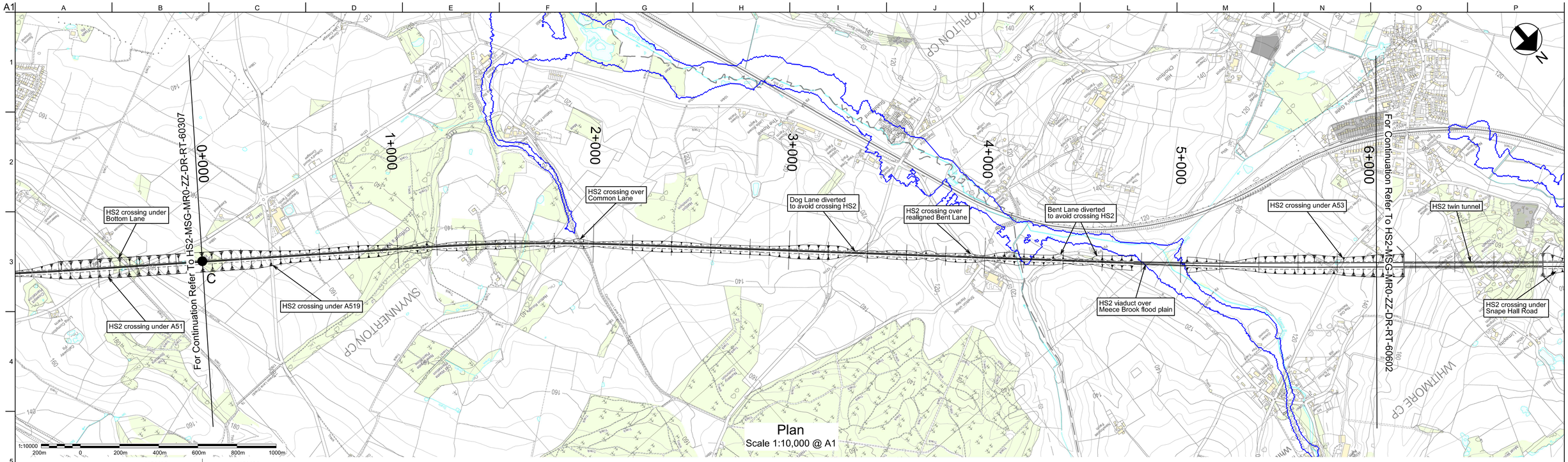
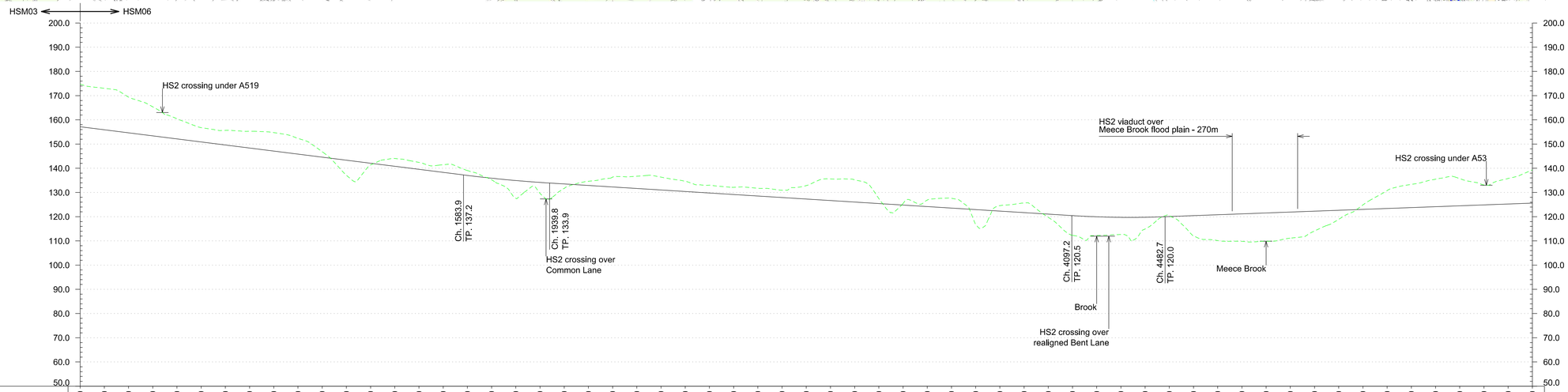


Plan

Scale 1:10,000 @ A1



Chainage	Horizontal Alignment	Vertical Alignment	Existing Level	Proposed Track Level	Cut and Fill
0+000			174.7	157.2	-17.5
0+100	L=969.7m	L=1583.9m G=-1.26%	173.0	155.9	-17.1
0+200			169.4	154.6	-14.8
0+300			165.4	153.4	-12.0
0+400			160.4	152.1	-8.3
0+500			156.8	150.9	-5.9
0+600			155.6	149.6	-6.0
0+700			155.3	148.4	-6.9
0+800			154.7	147.1	-7.6
0+900			152.3	145.8	-6.5
1+000	TL=310.0m		146.8	144.6	-2.2
1+100			137.1	143.3	+6.2
1+200			141.4	142.1	+0.7
1+300			144.0	140.8	-3.2
1+400			142.4	139.6	-2.8
1+500			141.5	138.3	-3.2
1+600	R=10005.0m L=703.3m	L=355.9m R=56000m	139.1	137.0	-2.1
1+700			135.3	135.9	+0.6
1+800			127.6	134.9	+7.3
1+900			129.7	134.2	+4.5
2+000	TL=310.0m		131.7	133.5	+1.8
2+100			134.6	132.9	-1.7
2+200			136.3	132.3	-4.0
2+300			136.7	131.6	-5.1
2+400			136.4	131.0	-5.4
2+500			134.6	130.4	-4.2
2+600			133.0	129.8	-3.2
2+700			132.1	129.2	-2.9
2+800			131.7	128.5	-3.2
2+900			130.9	127.9	-3.0
3+000			132.8	127.3	-5.5
3+100			135.6	126.7	-8.9
3+200			135.3	126.0	-9.3
3+300			127.5	125.4	-2.1
3+400			125.5	124.8	-0.7
3+500			126.9	124.2	-2.7
3+600			127.6	123.6	-4.0
3+700			116.8	122.9	+6.1
3+800			124.6	122.3	-2.3
3+900			125.6	121.7	-3.9
4+000			119.7	121.1	+1.4
4+100			112.3	120.4	+8.1
4+200			112.2	120.0	+7.8
4+300			112.6	119.7	+7.1
4+400			114.9	119.8	+4.9
4+500			120.4	120.0	-0.4
4+600			111.9	120.4	+8.5
4+700			110.1	120.8	+10.7
4+800			109.8	121.2	+11.4
4+900			109.9	121.5	+11.6
5+000			111.1	121.9	+10.8
5+100			114.1	122.3	+8.2
5+200			118.9	122.6	+3.7
5+300			124.9	123.0	-1.9
5+400			130.8	123.4	-7.4
5+500			133.3	123.8	-9.5
5+600			135.5	124.1	-11.4
5+700			135.7	124.5	-11.2
5+800			133.1	124.9	-8.2
5+900			135.8	125.2	-10.6
6+000			139.3	125.6	-13.7

Horizontal Alignment: TL=225.0m; R=-14000.0m L=321.7m; TL=225.0m; L=3712.8m

Vertical Alignment: L=2157.4m G=-0.62%; L=385.5m R=38800m; L=2552.6m G=0.37%

Maximum Speed: 400 km/h

Profile

Scale H:1:10,000 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 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
- Railway Cutting
- Railway Embankment
- Highway Cutting
- Highway Embankment

Retained structures will be used at depths of 15m or greater

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

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

Do not scale

Issue	Date	By	Chkd	Appd
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

Client

hs2

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

Scale at A1
1:10000

Discipline
Rail

MSG
MOTT MACDONALD SCOTT WILSON GRIMSHAW

Drawing Title
Route HSM06
Plan and Profile
Sheet 1 of 2

Drawing Status
-

Job No
277592

Drawing No
HS2-MSG-MR0-ZZ-DR-RT-60601

Issue
P4