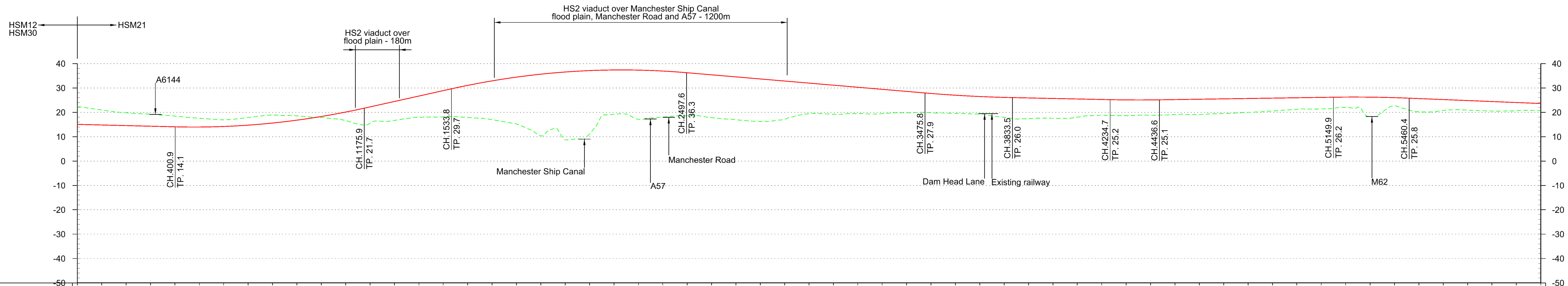
Plan

Scale 1:10,000 @ A1



Horizontal Alignment: 0.0 – L=400.0 – 400.0; R=-5900.0, L=2096.2; 2496.2 – L=400.0 – 2896.2; L=938.3; 3834.6 – L=400.0 – 4234.6; R=-5900.0, L=2934.7

Vertical Alignment: L=400.9, G=-0.248%; L=774.9, R=31400.0; L=358.0, G=2.220%; L=963.8, R=31400.0; L=978.2, G=-0.850%; L=357.7, R=56000.0; L=401.2, G=-0.211%; L=201.9, R=56000.0; L=713.3, G=0.150%; L=310.5, R=56000.0; L=906.0, G=-0.405%

Chainage	Existing Level	Proposed Level	Cut and Fill
0+000	22.5	15.1	-7.4
0+100	20.9	14.8	-6.1
0+200	19.8	14.6	-5.2
0+300	19.3	14.3	-5.0
0+400	18.5	14.1	-4.4
0+500	17.6	14.0	-3.6
0+600	16.9	14.2	-2.7
0+700	17.9	14.8	-3.1
0+800	18.9	15.6	-3.3
0+900	18.5	16.8	-1.7
1+000	17.9	18.3	+0.4
1+100	16.6	20.1	+3.5
1+200	15.6	22.2	+6.6
1+300	16.7	24.5	+7.8
1+400	18.0	26.7	+8.7
1+500	18.2	28.9	+10.7
1+600	17.9	31.1	+13.2
1+700	17.0	32.9	+15.9
1+800	15.2	34.4	+19.2
1+900	10.4	35.6	+25.2
2+000	8.7	36.5	+27.8
2+100	11.1	37.1	+26.0
2+200	19.2	37.4	+18.2
2+300	17.1	37.3	+20.2
2+400	18.1	36.9	+18.8
2+500	18.6	36.2	+17.6
2+600	17.8	35.4	+17.6
2+700	17.0	34.5	+17.5
2+800	16.3	33.7	+17.4
2+900	17.1	32.8	+15.7
3+000	19.5	32.0	+12.5
3+100	19.2	31.1	+11.9
3+200	19.5	30.3	+10.8
3+300	19.5	29.4	+9.9
3+400	19.8	28.6	+8.8
3+500	19.8	27.7	+7.9
3+600	19.6	27.0	+7.4
3+700	19.3	26.5	+7.2
3+800	18.0	26.1	+8.1
3+900	17.4	25.9	+8.5
4+000	17.6	25.7	+8.1
4+100	18.0	25.5	+7.5
4+200	18.8	25.3	+6.5
4+300	18.6	25.1	+6.5
4+400	18.8	25.1	+6.3
4+500	19.1	25.2	+6.1
4+600	19.1	25.4	+6.3
4+700	19.5	25.5	+6.0
4+800	20.0	25.7	+5.7
4+900	20.5	25.8	+5.3
5+000	21.2	26.0	+4.8
5+100	21.4	26.1	+4.7
5+200	22.0	26.3	+4.3
5+300	18.3	26.2	+7.9
5+400	22.7	26.0	+3.3
5+500	20.2	25.6	+5.4
5+600	20.8	25.2	+4.4
5+700	20.9	24.8	+3.9
5+800	20.5	24.4	+3.9
5+900	20.7	24.0	+3.3
6+000	20.6	23.6	+3.0

Design Speed: 360km/h

Profile

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

METRES @ 1:10000 — 0, 100, 200, 500, 1000

METRES @ 1:1000 — 0, 10, 20, 50, 100

Fit for Condition A

Rev	Description	Drawn	Checked	Con App	HS2 App
P07	Issued for Condition A	MB 08/07/13	DC 08/07/13	JG 08/07/13	
P06	Issued for Condition A	06/07/13	DC 05/07/13	JG 05/07/13	
P05	Issued for Condition A	KB 20/06/13	DC 21/06/13	JG 21/06/13	
P04	For Review	KB 31/05/13	DC 31/05/13	JG 31/05/13	
P03	For Review	MB 20/05/13	DC 20/05/13	JG 20/05/13	

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Scale with caution as distortion can occur.

Legends/Notes:

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 Zones

Legend

- Track Centrelines
- Viaduct
- Tunnel
- Fully Retained Cutting/Fill
- Major Contour
- Ground Profile
- Track Profile
- Minor Contour
- Node

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

Engineering Earthworks

- Railway Cutting
- Railway Embankment
- HS2 Depot/Station Operational Boundary

Registered in England
Registration No. 06791686
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London, SW1E 5DU

Creator/Originator: AECOM

HS2 Security Classification: INTERNAL

Zone: Manchester Leg North of Crewe

Design Stage: Pre-Consultation

Drawing Title: Route HSM21 Plan and Profile Sheet 1 of 2

Project/Contract: West Midlands to Manchester Route

Discipline/Function: Railway Track

Drawn	Checked	Approved
MB	DC	JG

Date	Scale	Size
21/03/2013	AS SHOWN	A1

Drawing No.: C320-AEC-RT-DPP-220-052101 — Rev. P07