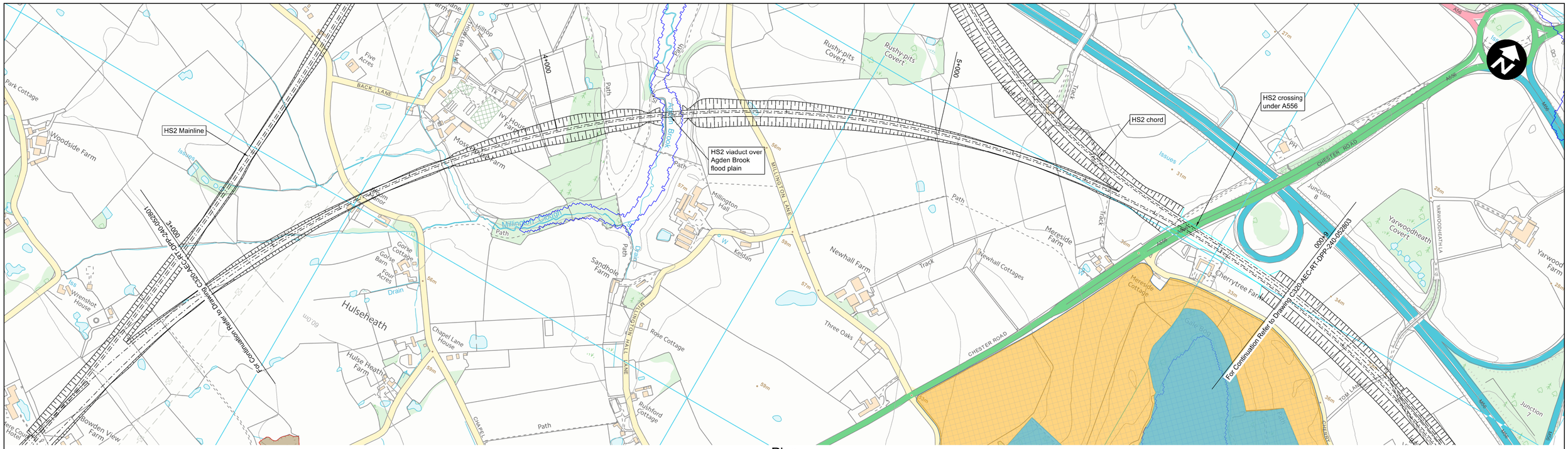
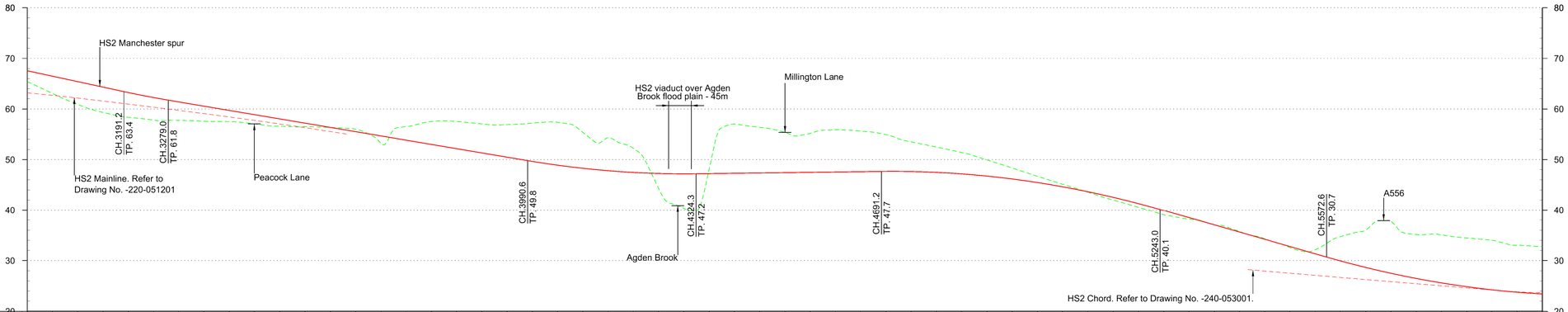


Plan

Scale 1:5,000 @ A1



Chainage	3+000 3+050 3+100 3+150 3+200 3+250 3+300 3+350 3+400 3+450 3+500 3+550 3+600 3+650 3+700 3+750 3+800 3+850 3+900 3+950 4+000 4+050 4+100 4+150 4+200 4+250 4+300 4+350 4+400 4+450 4+500 4+550 4+600 4+650 4+700 4+750 4+800 4+850 4+900 4+950 5+000 5+050 5+100 5+150 5+200 5+250 5+300 5+350 5+400 5+450 5+500 5+550 5+600 5+650 5+700 5+750 5+800 5+850 5+900 5+950 6+000
Horizontal Alignment	R=3000.0 L=862.1; 3272.2; L=200.0; 3472.2; R=2304.0 L=2965.2
Vertical Alignment	L=248.4 G=-2.154%; L=87.8 R=18500.0; L=711.6 G=-1.679%; L=333.7 R=18500.0; L=366.9 G=0.125%; L=551.8 R=18500.0; L=329.6 G=-2.858%; L=567.4 R=18500.0
Existing Level	65.4 63.1 60.9 59.3 58.4 57.8 57.8 57.6 57.5 57.1 56.6 56.5 56.4 56.0 53.2 56.5 57.5 57.5 57.1 56.9 57.2 57.4 55.4 54.3 52.3 44.4 40.4 48.0 57.0 56.4 55.4 55.2 55.9 55.7 54.9 53.5 52.5 51.4 49.9 48.3 46.7 45.1 43.6 42.0 40.6 39.1 38.2 36.9 35.7 34.3 32.6 32.1 34.7 36.0 37.7 35.1 35.1 34.5 34.0 33.0 32.8
Proposed Level	67.6 66.5 65.4 64.3 63.2 62.3 61.4 60.6 59.7 58.9 58.0 57.2 56.4 55.5 54.7 53.8 53.0 52.2 51.3 50.5 49.6 48.9 48.3 47.8 47.5 47.3 47.2 47.2 47.3 47.4 47.4 47.5 47.5 47.6 47.7 47.6 47.5 47.2 46.7 46.2 45.5 44.6 43.7 42.5 41.3 39.9 38.5 37.1 35.6 34.2 32.8 31.3 29.9 28.7 27.5 26.5 25.6 24.9 24.2 23.8 23.4
Cut and Fill	+2.2 +3.4 +4.5 +5.0 +4.8 +4.5 +3.6 +3.0 +2.2 +1.8 +1.4 +0.7 0.0 -0.5 +1.5 -2.7 -4.5 -5.3 -5.8 -6.4 -7.6 -8.5 -7.1 -6.5 -4.8 +2.9 +6.8 -0.8 -9.7 -9.0 -8.0 -7.7 -8.4 -8.1 -7.2 -5.9 -5.0 -4.2 -3.2 -2.1 -1.2 -0.5 +0.1 +0.5 +0.7 +0.8 +0.3 +0.2 -0.1 -0.1 +0.2 -0.8 -4.8 -7.3 -10.2 -8.6 -9.5 -9.6 -9.8 -9.2 -9.4
Design Speed:	230km/h

Profile

Scale H:1:5,000 V:1:500 @ A1

METRES @ 1:5000 0 50 100 200 500

METRES @ 1:500 0 5 10 20 50

Fit for Condition A

Rev	Description	Drawn	Checked	Con App	HS2 App
P06	Issued for Condition A	MB 08/07/13	DC 08/07/13	JG 08/07/13	
P05	Issued for Condition A	06/07/13	DC 05/07/13	JG 05/07/13	
P04	Issued for Condition A	KB 20/06/13	DC 21/06/13	JG 21/06/13	
P03	For Review	KB 31/05/13	DC 31/05/13	JG 31/05/13	
P02	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

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London, SW1E 5DU

Creator/Originator: AECOM

HS2 Security Classification: INTERNAL

Zone: Manchester Metropolitan Spur

Design Stage: Pre-Consultation

Drawing Title: Route HSM28 Plan and Profile Sheet 2 of 9

Project/Contract: West Midlands to Manchester Route

Discipline/Function: Railway Track

Drawn	Checked	Approved
MB	DC	JG

Date	Scale	Size
26/04/2013	AS SHOWN	A1

Drawing No.: C320-AEC-RT-DPP-240-052802

Rev.: P06