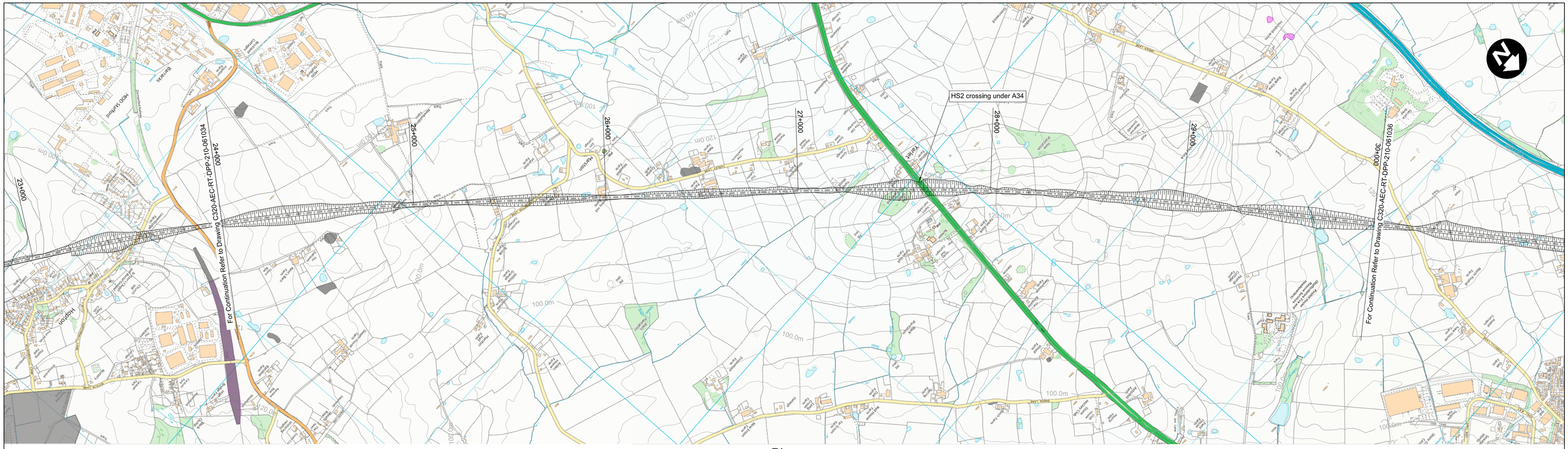
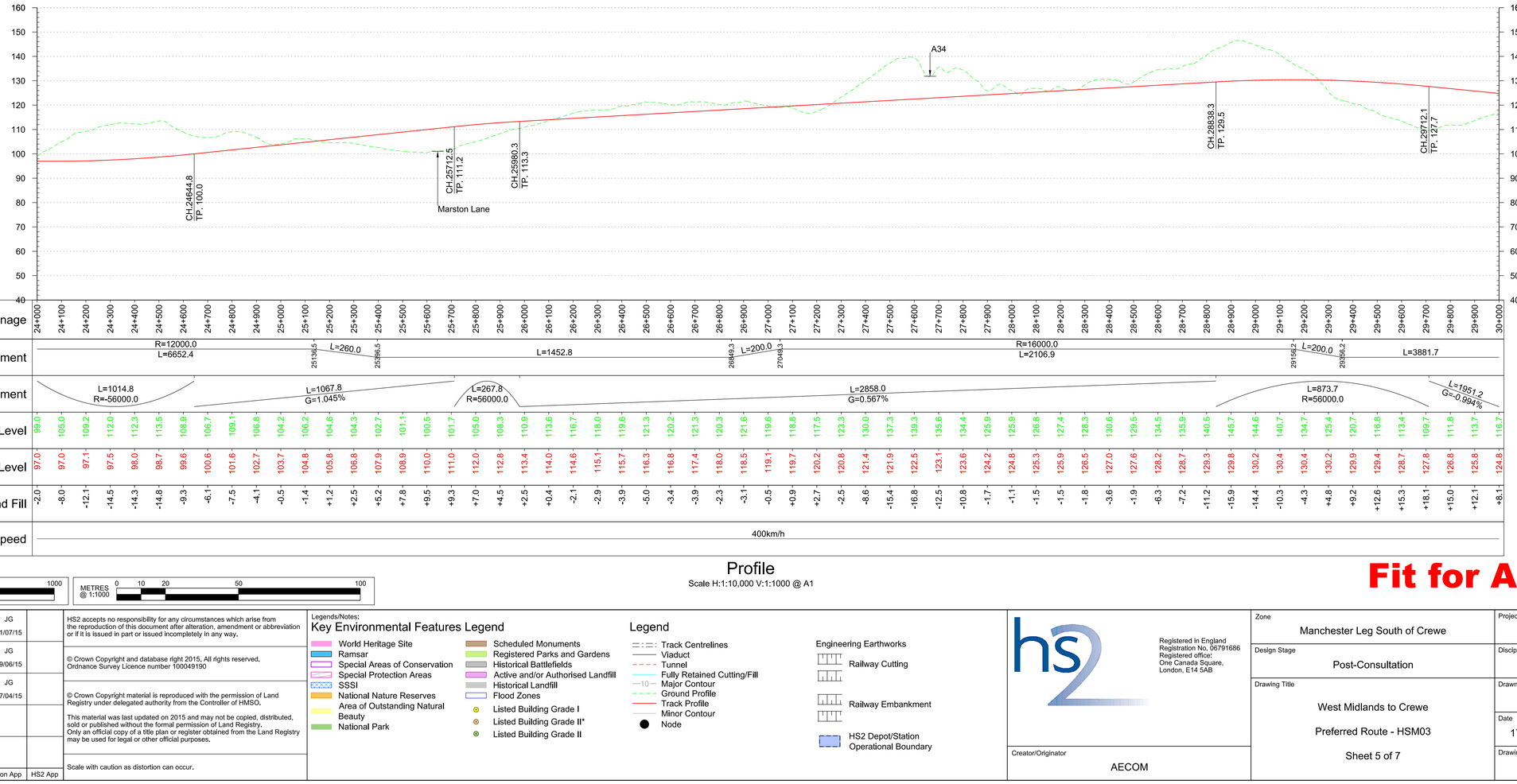


Plan

Scale 1:10,000 @ A1



Chainage	24+000 24+100 24+200 24+300 24+400 24+500 24+600 24+700 24+800 24+900 25+000 25+100 25+200 25+300 25+400 25+500 25+600 25+700 25+800 25+900 26+000 26+100 26+200 26+300 26+400 26+500 26+600 26+700 26+800 26+900 27+000 27+100 27+200 27+300 27+400 27+500 27+600 27+700 27+800 27+900 28+000 28+100 28+200 28+300 28+400 28+500 28+600 28+700 28+800 28+900 29+000 29+100 29+200 29+300 29+400 29+500 29+600 29+700 29+800 29+900 30+000
Horizontal Alignment	R=12000.0 L=6652.4 · 25186.5 L=260.0 25386.5 · L=1452.8 · 26849.3 L=200.0 27049.3 · R=16000.0 L=2106.9 · 29156.2 L=200.0 29356.2 · L=3881.7
Vertical Alignment	L=1014.8 R=-56000.0 · L=1067.8 G=1.045% · L=267.8 R=56000.0 · L=2858.0 G=0.567% · L=873.7 R=56000.0 · L=1951.2 G=-0.994%
Existing Level	99.0 105.0 109.2 112.0 112.3 113.5 108.9 106.7 109.1 106.8 104.2 106.2 104.6 104.3 102.7 101.1 100.5 101.7 105.0 108.3 110.9 113.6 116.7 118.0 119.6 121.3 120.2 121.3 120.3 121.6 119.6 118.8 117.5 123.3 130.0 137.3 139.3 135.6 134.4 125.9 125.9 126.8 127.4 128.3 130.6 129.5 134.5 135.9 140.5 145.7 144.6 140.7 134.7 125.4 120.7 116.8 113.4 109.7 111.8 113.7 116.7
Proposed Level	97.0 97.0 97.1 97.5 98.0 98.7 99.6 100.6 100.6 101.6 102.7 103.7 104.8 105.8 106.8 107.9 108.9 110.0 111.0 112.0 112.8 113.4 114.0 114.6 115.1 115.7 116.3 116.8 117.4 118.0 118.5 119.1 119.7 120.2 120.8 121.4 121.9 122.5 123.1 123.6 124.2 124.8 125.3 125.9 126.5 127.0 127.6 128.2 128.7 129.3 129.8 130.2 130.4 130.4 130.2 129.9 129.4 128.7 127.8 126.8 125.8 124.8
Cut and Fill	-2.0 -8.0 -12.1 -14.5 -14.3 -14.8 -9.3 -6.1 -7.5 -4.1 -0.5 -1.4 +1.2 +2.5 +5.2 +7.8 +9.5 +9.3 +7.0 +4.5 +2.5 +0.4 -2.1 -2.9 -3.9 -5.0 -3.4 -3.9 -2.3 -3.1 -0.5 +0.9 +2.7 -2.5 -8.6 -15.4 -16.8 -12.5 -10.8 -1.7 -1.1 -1.5 -1.5 -1.8 -3.6 -1.9 -6.3 -7.2 -11.2 -15.9 -14.4 -10.3 -4.3 +4.8 +9.2 +12.6 +15.3 +18.1 +15.0 +12.1 +8.1
Design Speed	400km/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 Acceptance

Rev	Description	Drawn	Checked	Con App	HS2 App
P03	Updated for Publication	KB 31/07/15	DC 31/07/15	JG 31/07/15	
P02	Minor Note Amendments	KB 09/06/15	DC 09/06/15	JG 09/06/15	
P01	First Issue	KB 17/04/15	DC 17/04/15	JG 17/04/15	

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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
- Listed Building Grade I
- Listed Building Grade II*
- Listed Building Grade II

Legend

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

Engineering Earthworks

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

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Creator/Originator
AECOM

Zone	Manchester Leg South of Crewe
Design Stage	Post-Consultation
Drawing Title	West Midlands to Crewe Preferred Route - HSM03 Sheet 5 of 7
Project/Contract	West Midlands to Manchester Route
Discipline/Function	Railway Track
Drawn / Checked / Approved	KB / DC / JG
Date / Scale / Size	17/04/2015 / AS SHOWN / A1
Drawing No. / Rev.	C320-AEC-RT-DPP-210-061035 / P03