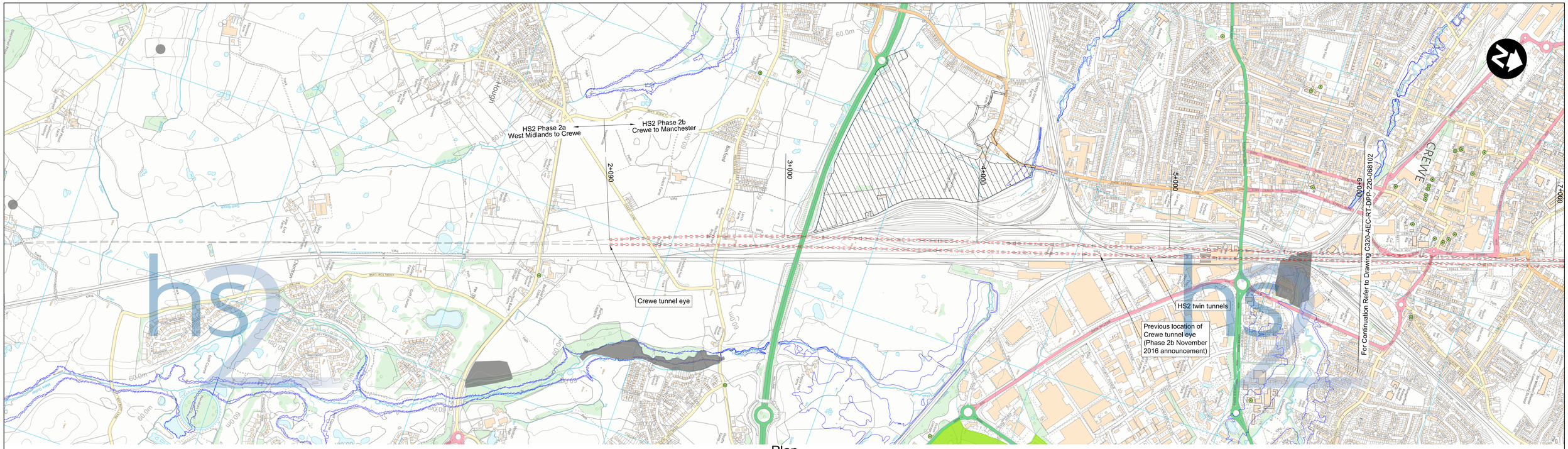
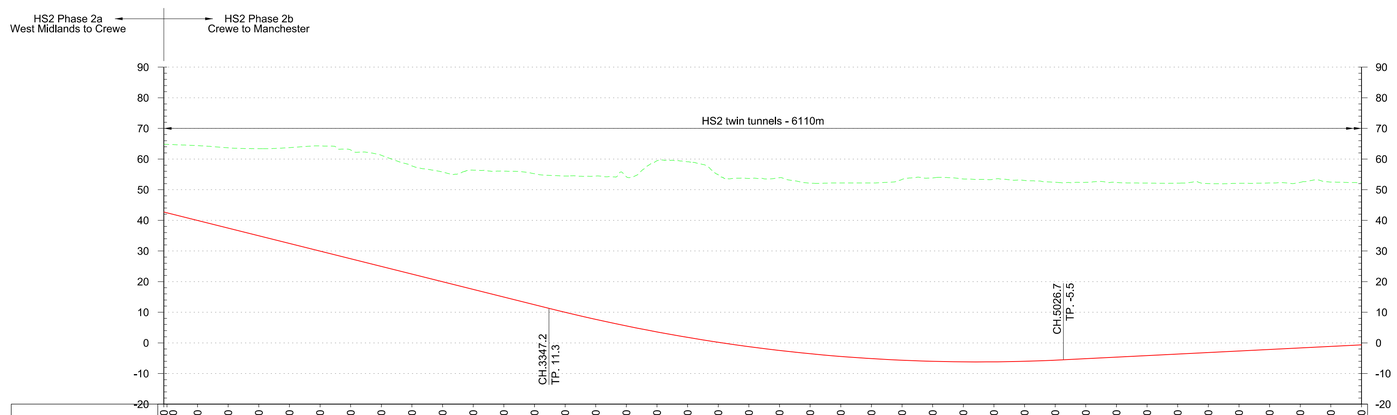


Plan

Scale 1:10,000 @ A1



Chainage	Horizontal Alignment	Vertical Alignment	Existing Level	Proposed Level	Cut and Fill
2+090	SS2 1426.6	L=1531.2 G=-2.500%	64.8	42.7	-22.1
2+100	L=214.0		64.6	42.3	-22.3
2+200			64.4	40.0	-24.4
2+300			63.7	37.5	-26.2
2+400	2335.2		63.4	35.0	-28.4
2+500	R=12500.0 L=747.6		63.7	32.5	-31.2
2+600			64.3	30.0	-34.3
2+700			63.0	27.5	-35.5
2+800			61.2	25.0	-36.2
2+900			57.8	22.5	-35.3
3+000			55.8	20.0	-35.8
3+100	3083.2		56.4	17.5	-38.9
3+200	L=214.0		56.1	15.0	-41.1
3+300	3297.2		55.2	12.5	-42.7
3+400		L=1679.6 R=-56000.0	54.5	10.0	-44.5
3+500			54.5	7.7	-46.8
3+600			54.2	5.5	-48.7
3+700			59.5	3.6	-55.9
3+800			59.1	1.8	-57.3
3+900			54.9	0.2	-54.7
4+000	L=4850.1		53.7	-1.2	-54.9
4+100			53.9	-2.5	-56.3
4+200			52.1	-3.5	-55.6
4+300			52.2	-4.4	-56.6
4+400			52.2	-5.1	-57.3
4+500			53.3	-5.7	-58.9
4+600			53.8	-6.0	-59.8
4+700			53.5	-6.2	-59.6
4+800			53.4	-6.2	-59.5
4+900			53.0	-6.0	-59.0
5+000			52.4	-5.6	-58.0
5+100		L=1321.6 G=0.500%	52.4	-5.1	-57.5
5+200			52.4	-4.6	-57.0
5+300			52.2	-4.1	-56.3
5+400			52.1	-3.6	-55.7
5+500			52.0	-3.1	-55.1
5+600			52.1	-2.6	-54.7
5+700			52.2	-2.1	-54.3
5+800			52.4	-1.6	-54.0
5+900			52.5	-1.1	-53.6
6+000			52.4	-0.6	-53.0

Design Speed: 400km/h; 360km/h

Profile

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

Note on Phase 2a - Phase 2b Interface
As a result of the Phase 2a hybrid Bill submission, the southern eye of Crewe tunnel has been moved further south from where it was positioned in the Phase 2b November 2016 announcement. The Phase 2a – Phase 2b interface is located at the Crewe tunnel southern eye. HS2 Ltd. will continue to review ventilation shaft requirements for Crewe tunnel through the Phase 2b hybrid Bill development.

METRES @ 1:10000 — 0 100 200 500 1000

METRES @ 1:1000 — 0 10 20 50 100

Rev	Description	Drawn	Checked	Con App	HS2 App
P03	Updated for acceptance	KB 11/07/17	TO 11/07/17	JG 11/07/17	
P02	Updated to comments (annotation only)	KB 27/06/17	TO 27/06/17	JG 27/06/17	
P01	First Issue	KB 15/06/17	TO 15/06/17	JG 15/06/17	

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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
- Major Development Sites
- Additional Development Sites
- 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
- Existing Railway Connection
- HS2 Connection
- Fully Retained Cutting/Fill
- Major Contour
- Ground Profile
- Track Profile
- Minor Contour
- Node

Engineering Earthworks

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

Registered in England
Registration No. 06791686
Registered office:
2 Snow Hill,
Queensway,
Birmingham, B4 6GA

hs2 engine for growth

Creator/Originator: AECOM

Zone: Manchester Leg North of Crewe

Project/Contract: West Midlands to Manchester Route

Design Stage: Post-Consultation

Discipline/Function: Railway Track

Drawing Title: 2017 Preferred Route - HSM10B

Plan and Profile

Sheet 1 of 6

Drawn	Checked	Approved
KB	TO	JG

Date	Scale	Size
15/06/2017	AS SHOWN	A1

Drawing No.: C320-AEC-RT-DPP-220-068101

Rev.: P03