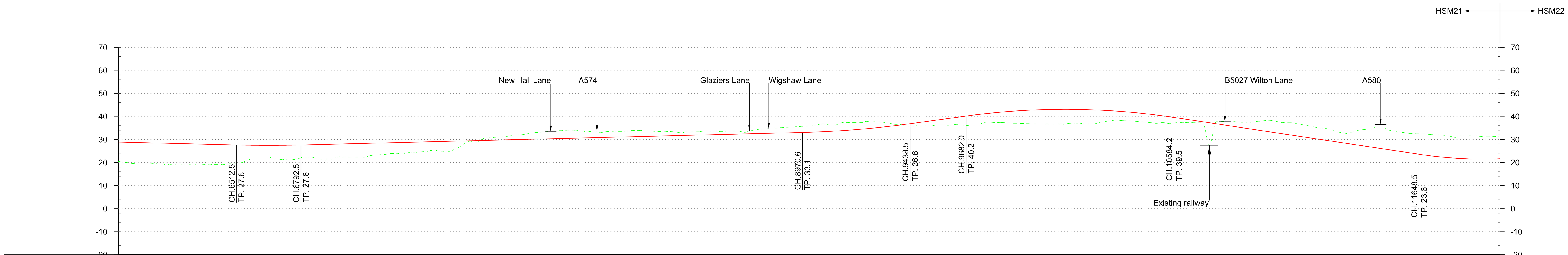
Plan

Scale 1:10,000 @ A1



Horizontal Alignment: R=-5900.0, L=1960.8; 6195.4; L=70.0; 6265.4; R=-2425.0, L=800.9; 7066.3; L=240.0; SS7306.3; L=195.0; 7501.3; R=3000.0, L=3265.6; 10766.9; L=195.0; 10961.9; L=1038.3; 12000.1

Vertical Alignment: L=643.2, G=-0.250%; L=280.0, R=-56000.1; L=2178.1, G=0.250%; L=468.0, R=-42004.4; L=243.4, G=1.364%; L=902.2, R=31501.6; L=1064.3, G=-1.500%; L=691.4, R=-18500.0

Design Speed: 320km/h; 230km/h

Chainage	Existing Level	Proposed Level	Cut and Fill
6+000	20.4	28.9	+8.5
6+100	19.4	28.6	+9.2
6+200	19.2	28.4	+9.2
6+300	19.0	28.1	+9.1
6+400	19.1	27.9	+8.8
6+500	19.4	27.6	+8.2
6+600	20.2	27.5	+7.3
6+700	21.4	27.5	+6.1
6+800	22.3	27.6	+5.3
6+900	21.2	27.9	+6.7
7+000	22.4	28.1	+5.7
7+100	23.1	28.4	+5.3
7+200	23.8	28.6	+4.8
7+300	24.4	28.9	+4.5
7+400	24.9	29.1	+4.2
7+500	28.0	29.4	+1.4
7+600	30.7	29.6	-1.1
7+700	31.6	29.9	-1.7
7+800	32.9	30.1	-2.8
7+900	33.8	30.4	-3.4
8+000	33.9	30.6	-3.3
8+100	33.1	30.9	-2.2
8+200	33.5	31.1	-2.4
8+300	33.6	31.4	-2.2
8+400	33.4	31.6	-1.8
8+500	33.3	31.9	-1.4
8+600	33.7	32.1	-1.6
8+700	33.5	32.4	-1.1
8+800	34.6	32.6	-2.0
8+900	35.3	32.9	-2.4
9+000	35.9	33.1	-2.8
9+100	36.2	33.6	-2.6
9+200	37.3	34.3	-3.0
9+300	37.6	35.2	-2.4
9+400	36.4	36.3	-0.1
9+500	36.0	37.7	+1.7
9+600	36.1	39.0	+2.9
9+700	35.9	40.4	+4.5
9+800	37.4	41.6	+4.2
9+900	37.0	42.4	+5.4
10+000	36.7	42.9	+6.2
10+100	36.6	43.1	+6.5
10+200	36.8	43.0	+6.2
10+300	38.0	42.5	+4.5
10+400	37.9	41.8	+3.9
10+500	37.1	40.7	+3.6
10+600	37.3	39.3	+2.0
10+700	37.4	37.8	+0.4
10+800	37.8	36.3	-1.5
10+900	37.4	34.8	-2.6
11+000	38.3	33.3	-5.0
11+100	37.2	31.8	-5.4
11+200	35.2	30.3	-4.9
11+300	33.2	28.8	-4.4
11+400	34.3	27.3	-7.0
11+500	35.2	25.8	-9.4
11+600	32.7	24.3	-8.4
11+700	32.2	22.9	-9.3
11+800	31.0	21.9	-9.1
11+900	31.5	21.5	-10.0
12+000	31.5	21.7	-9.8

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

Rev	Description	Drawn	Checked	Con App	HS2 App
P02	Updated for acceptance	KB 11/07/17	TO 11/07/17	JG 11/07/17	
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
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Creator/Originator: AECOM

Zone: Manchester Leg North of Crewe

Design Stage: Post-Consultation

Drawing Title: 2017 Preferred Route - HSM21 Plan and Profile Sheet 2 of 2

Project/Contract: West Midlands to Manchester Route

Discipline/Function: Railway Track

Drawn: KB | Checked: TO | Approved: JG

Date: 15/06/2017 | Scale: AS SHOWN | Size: A1

Drawing No.: C320-AEC-RT-DPP-220-068212 | Rev.: P02