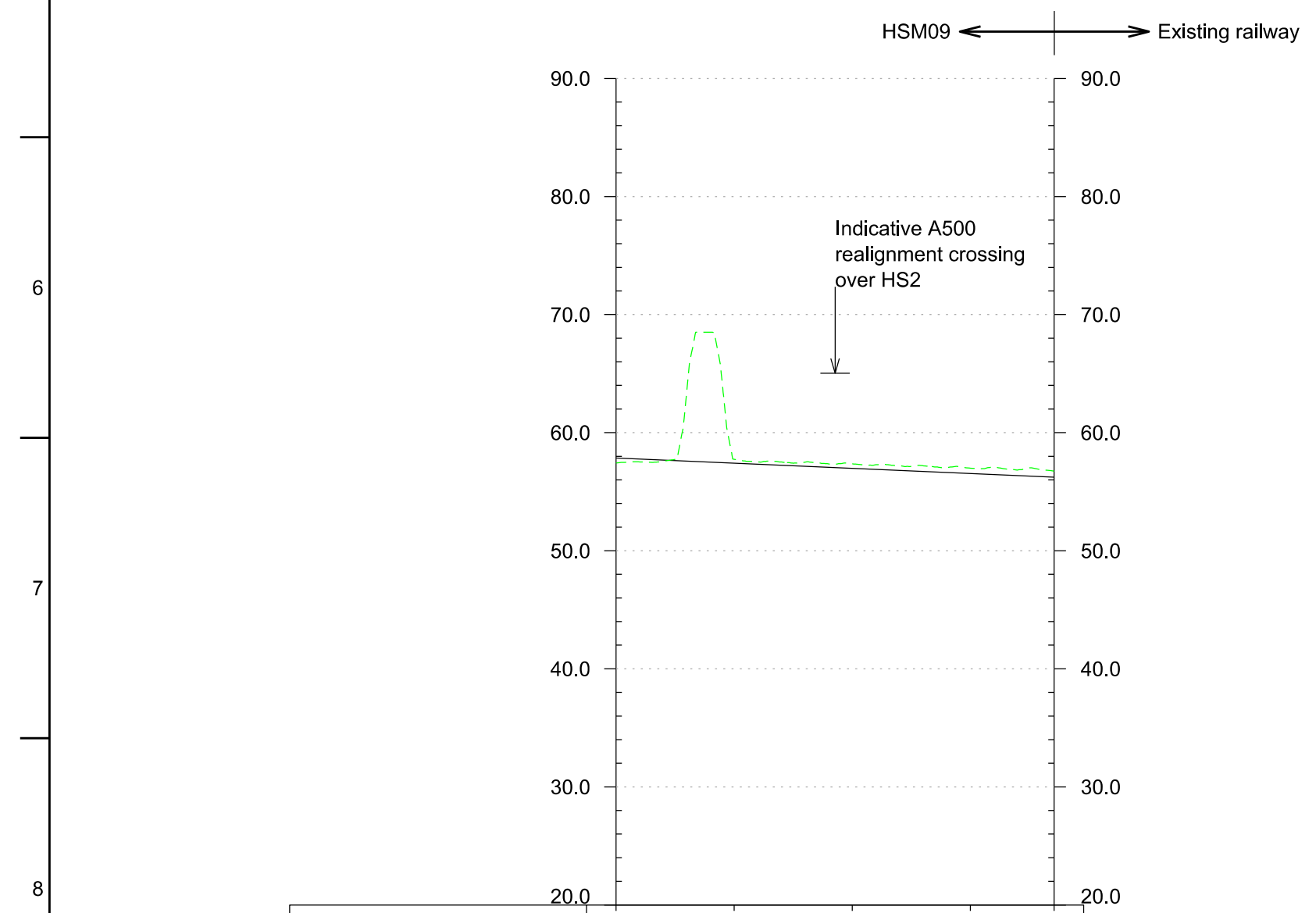


Plan  
Scale 1:5,000 @ A1



Chainage	3+000	3+100	3+200	3+300	3+371
Horizontal Alignment	L=254.8m TL=55.0m R=10000.0m L=101.3m L=129.1m TL=55.0m				
Vertical Alignment	L=652.1m G=-0.44%				
Existing Level	57.4	57.7	57.4	57.0	56.7
Proposed Track Level	57.8	57.4	57.0	56.5	56.2
Cut and Fill	+0.4	-0.3	-0.4	-0.5	-0.5
Maximum Speed	230 km/h				

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

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**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 Zone 3

**Legend**

- Alignment Centreline
- Viaduct / Tunnel / Fully Retained Cutting
- Major Contour
- Minor Contour
- Node
- Retained structures will be used at depths of 15m or greater
- Railway Embankment
- Railway Cutting
- Highway Embankment
- Highway Cutting

Issue	Date	By	Chkd	Appd
P4	23.11.12	JFF	RC	TW
P3	16.11.12	JFF	RC	TW
P2	30.10.12	AS	RC	TW
P1	16.10.12	AS	RC	TW



Client  
Job Title  
HS2 West Midlands to Manchester  
Initial Preferred Route  
December 2012  
Scale at A1  
1:5000  
Discipline  
Rail



Drawing Title  
Route HSM09  
Plan and Profile  
Sheet 2 of 2  
Drawing Status  
Job No  
277592  
Drawing No  
HS2-MSG-WCM-ZZ-DR-RT-60902  
Issue  
P4