



| Panel A | HS2 (rail only) sound level $L_{pAeq,T}$      |                                                   | Potential noise effect <sup>1,2</sup>                                                                                                                                                         |                                                                                                                                                          |
|---------|-----------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | Night-time $L_{pAeq,T}$<br>(T=23:00 to 07:00) | Daytime $L_{pAeq,T}$<br>(T=07:00 to 23:00)        | Residential                                                                                                                                                                                   | Non-residential & quiet areas                                                                                                                            |
|         | > 55 dB                                       | > 65 dB                                           | Likely significant effect on dwellings indicated by ○, * or X avoided by noise insulation                                                                                                     | Effect dependent on receptor and baseline. For further details see Volume 5, Appendix SV004. Likely significant effect indicated by OSV#-N# <sup>2</sup> |
|         | 40 to 55 dB                                   | 50 to 65 dB                                       | Effect dependent on sound level change (see Panel B) and significance criteria. Likely significant effects on groups of dwellings and associated facilities indicated by OSV#-C# <sup>2</sup> | Effect dependent on receptor and baseline. For further details see Volume 5, Appendix SV004. Likely significant effect indicated by OSV#-N# <sup>2</sup> |
| < 40 dB | < 50 dB                                       | Generally no adverse effect expected <sup>1</sup> |                                                                                                                                                                                               |                                                                                                                                                          |

1 For further information see Volume 5 Appendix SV001-060  
 2 For details see relevant Volume 5 Appendix SV-004

| Panel B | Operational airborne sound impacts at buildings <sup>1</sup><br>Change in sound level ( $L_{pAeq,T}$ day / night) |
|---------|-------------------------------------------------------------------------------------------------------------------|
| ■       | Major adverse (>10dB)                                                                                             |
| ■       | Moderate adverse (5dB to 10dB)                                                                                    |
| ■       | Minor adverse (3dB to 5dB)                                                                                        |
| ■       | Negligible (-3dB to 3dB)                                                                                          |
| ■       | Beneficial (<-3dB)                                                                                                |

○ Potential additional noise insulation (triggered by maximum sound levels at night)<sup>1</sup>  
 \* Potential additional noise insulation (triggered by WHO Night Noise Guidelines Interim Target)<sup>1</sup>  
 X Potential noise insulation (triggered by Noise Insulation Regulations 1996)<sup>1</sup>

Project  
**Land at and to the rear of the Peeping Tom Pub, Burton Green**

Drawing Title  
**Site Locations in Relation to HS2**

Date 17.01.14 Scale 1:1,250@A3 Drawn by M.S. Check by MXS

Project No 20612 Drawing No SL-P-03 Revision -

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