quiet places
finding quiet and peaceful places to live

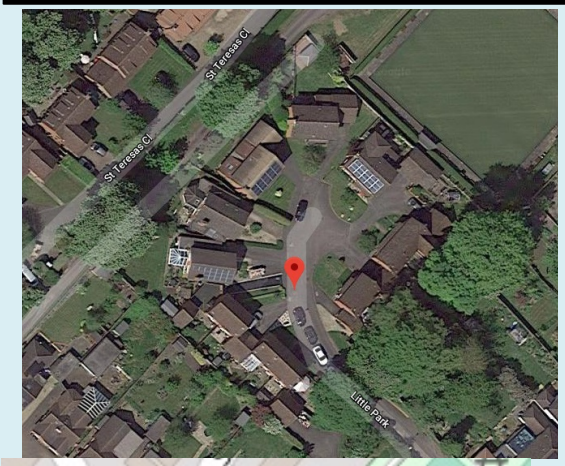
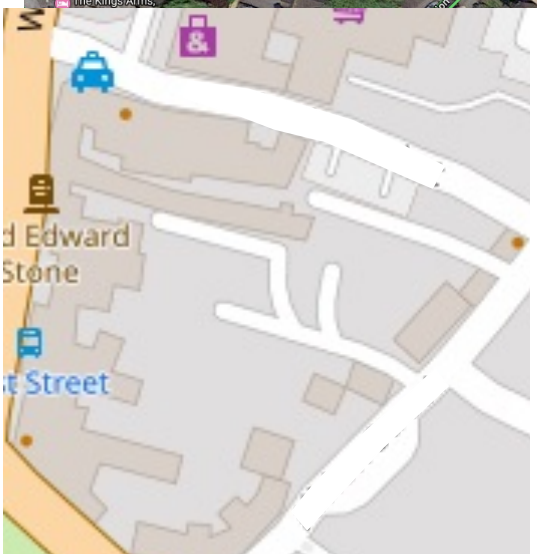
Noise comparison for Mr [redacted], July 2019

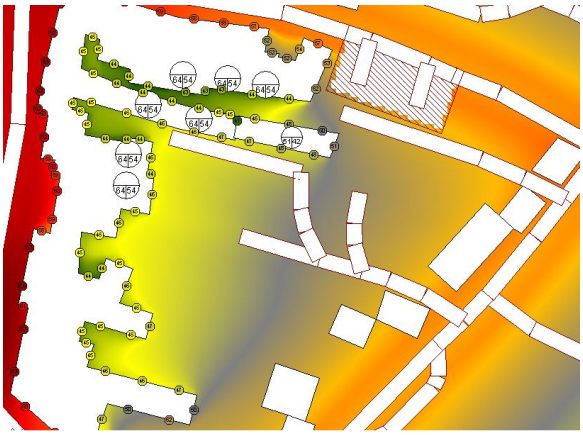
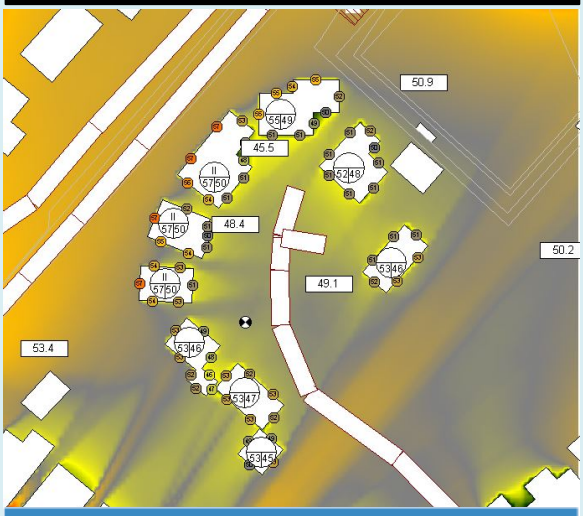
Executive Summary

An assessment of both properties shows that neither rail or aircraft noise is an issue.

However road noise is significant at the current property (and exceeds WHO recommended noise levels[1]) but road noise is notably quieter at the proposed new property.

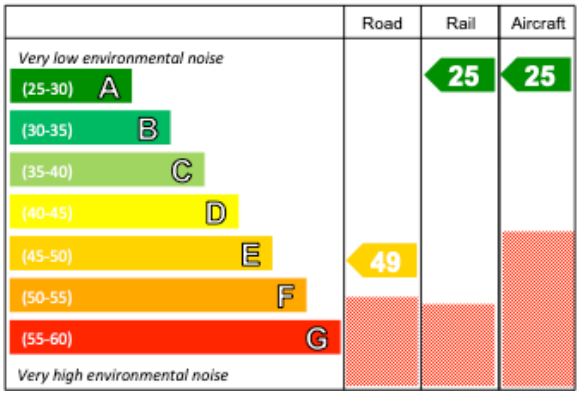
Please note that this report concerns the environmental noise outside the properties and hence to minimise noise inside we would recommend that as a minimum double glazing is installed.

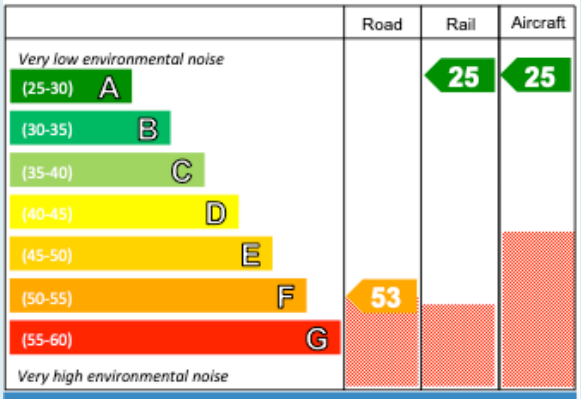
	New	Current
Address	[redacted]	[redacted]
Satellite View		
Map View		

	New	Current
Address	[redacted]	[redacted]
Noise map (road traffic)		

Equivalent day, evening, night noise levels

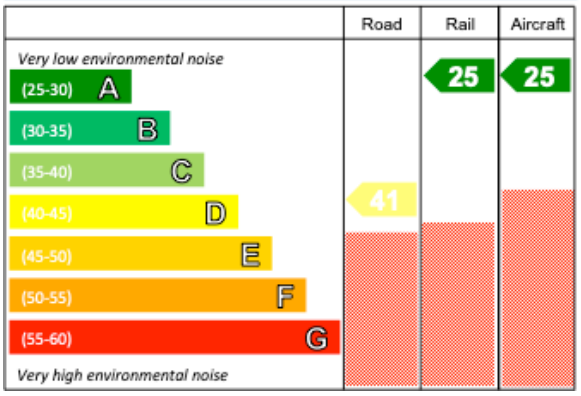
Environmental Noise Level L_{den} (day-evening-night)

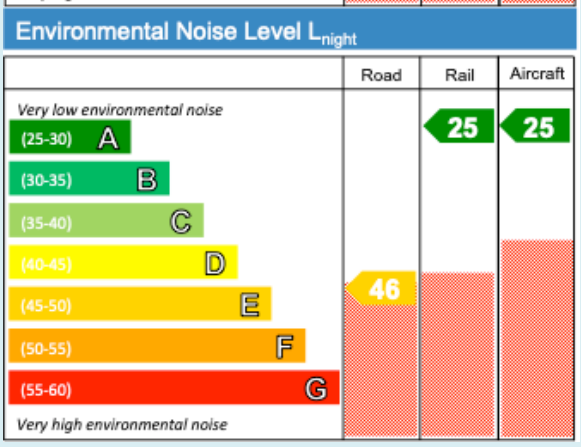




Equivalent night noise levels

Environmental Noise Level L_{night}





Above WHO recommended noise levels

Glossary

A-weighting	An A-weighting filter covers the full audio range of the human ear, 20 Hz to 20 kHz, but adjusts the values to reflect the frequency sensitivities of the ear at lower frequencies.
L_{den}	L_{den} (day-evening-night noise level) is the A-weighted, L_{eq} (equivalent noise level) over a whole day, but uses the standard penalty of +10 dB(A) for night-time noise (22:00-07:00) and +5 dB(A) for evening noise (19:00-23:00)
L_{eq}	L_{eq} is the equivalent continuous sound level in decibels equivalent to the total sound energy measured over a stated period of time. Leq levels are logarithmic and cannot be added directly. An increase of 3dB is a doubling of the sound pressure level.
L_{night}	L_{night} is the A-weighted, L_{eq} (equivalent noise level) over a night, taken to be from 23:00-07:00.

1 ‘Environmental Noise Guidelines for the European Region’, World Health Organisation, 2018