

Pease refer the below details,

Application PLA – 2026 – 000092

132 – 134 Burton Road - Tesco Express

Response to Local Authority Comments...

Previous complaints received. Need to access impact to Leopold Avenue at rear with direct line of site.

Dear Sirs,

Flats Above...

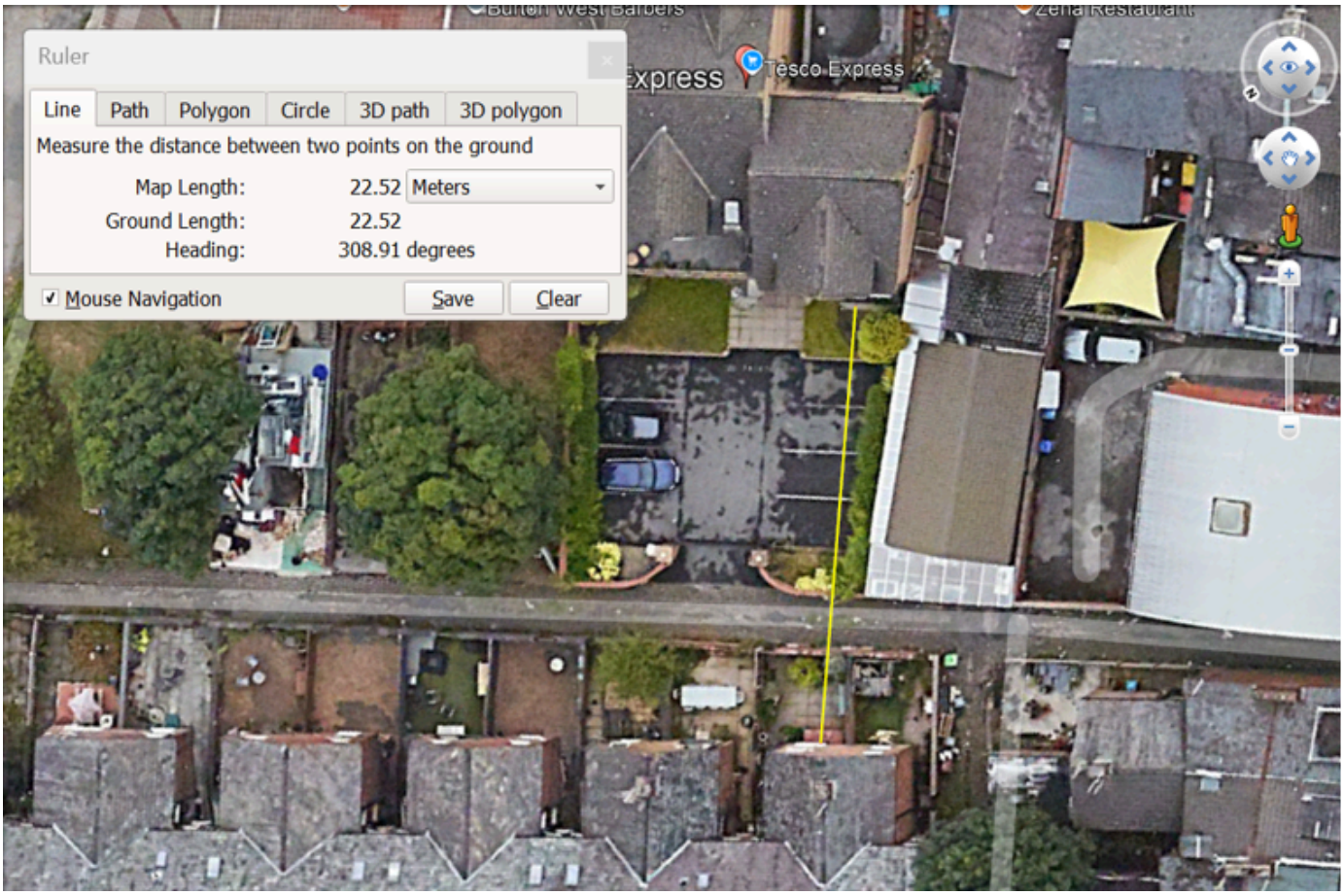
This is a very sensitive site in terms of noise as we have a flat directly over the gas cooler. The Assessment allowed an off access correction within the calculation (shown as A_{bar} -5 dB.) as the condenser fans discharge horizontally. The overall calculations for the flat above was as follows:

Operating 24-hours per day		Source	ISO 9613 – Part 2: 1996 Corrections					Assessment
Ref	Description	Lw	Dc	Adiv	Agr	Aatm	Abar	Lp
1	Remote Gas Cooler *19 dB(A) at 10m Equivalent*	47 dB	+3 dB	-24 dB 4.5m	+3 dB	-0 dB	-5 dB	24 dB

This is about the quietest gas cooler we could find for this very sensitive location.

Residents in Leopold Avenue...

The rear of the residential dwellings a Leopold Avenue are at their closest point 22m away



The following would be the calculated noise level at the residents at the rear of Leopold Avenue 22m away.

Operating 24-hours per day		Source	ISO 9613 – Part 2: 1996 Corrections					Assessment
Ref	Description	Lw	Dc	Adiv	Agr	Aatm	Abar	Lp
1	Remote Gas Cooler *19 dB(A) at 10m Equivalent*	47 dB	+6 dB	-28 dB 22m	+3 dB	-0 dB	-0 dB	18 dB

The lowest background level we recorded in this area was 34 dB(A) and due to the sensitivity of the site we set a very aggressive target of 10 dB below the minimum background. This was in the knowledge that there had been previous complaints.

The level at the rear of Leopold Avenue will be inaudible at the facade. Assuming attenuation of 10 - 15 dB from a fully open window the noise from the proposed gas cooler would be inaudible and very close the threshold of hearing.

Purpose of Application...

The replacement of the existing refrigeration condenser is required as the original kit is nearing the end of its life. Furthermore to ensure compliance with the F Gas Regulations from 2030 onwards the system needs to be changed to a natural refrigerant like CO2 (R744) with a Global Warming Potential (GWP) of 1. I understand the previous complaints were due to a fan failure of the existing unit which caused it to run in a back configuration to protect the food stock.

It is not mentioned in the report, but consideration should be given to paragraph 167 of the NPPF which requires ""Local planning authorities should also give **significant weight** to the need to support energy efficiency and low carbon heating improvements to existing buildings, both domestic and non-domestic..." the proposed works at this site fall within upgrade to the existing Tesco Express.

Thanks & regards,

[redacted]

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Property

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TESCO

[redacted]

