From: Matt Hill <matt@maddoxplanning.com>
Sent: 20 May 2026 08:27
To: Jones, Becky <Becky.Jones@wiltshire.gov.uk>
Cc: Ollie Cooper <ollie@maddoxplanning.com>
Subject: Re: update PL/2023/04997 Land to the South of Sunrise Way, Solstice Park

Hi Becky,

As discussed, please see commentary from our noise consultant below:

- Having gone through the RPS report we have been provided to date, as well as our survey data, we cannot see the exact numbers from the 2023 survey as stated by the councillor, but it is likely that the comparison is made of the "Representative" Background Noise Levels established by RPS and HTA.
- It is understood that the approach that has been adopted by RPS is to use the 25th percentile (i.e. the lower quartile) of the background sound levels during all time periods.
- HTA approach is assessing around 20% cumulative percentage of occurrence of background noise levels during daytime and night-time in line with BS4142.
- With that said, we have noted that the daytime representative background noise level at measurement position near 108 BHCP from our survey in 2023 should be 37dBA rather than 44dBA – note that our noise impact assessment indicates the resultant noise emission level to be below this.
- As such, while the term "Representative" background may apply to values derived by RPS back in 2018 and HTA in 2023, the values can vary depending on the how frequent a particular background noise L_{90} level occurred within the given time frame and how the statistical analysis have been undertaken. Therefore, comparing the daytime and night-time "Representative" background noise levels derived by RPS and HTA would inaccurately portray the change in noise climate. Change in noise climate has been made in Section 7.5 of our most recent report.
- Notwithstanding the above, as per our previous response to EHO of Wiltshire Council, due to the nature of our unattended survey (i.e., unmanned) it is not possible to accurately ascertain the increase in noise level over the course of 5 years. This is because the noise climate could be affected by various factors which may have been introduced since RPS survey in September 2018, which could influence the change in prevailing noise levels as recorded in each measurement position i.e., introduction of new noise generating

development/equipment not associated with Solstice Park, degradation of surrounding road network surface, etc.

- Notwithstanding the above, attended noise survey (i.e., fully manned) was conducted in October 2023, between 03:45 and 06:30 hours. It was observed that the noise associated with Solstice Park (including Helix Park Phase 1) activities was indistinguishable over distant road traffic noise at Beverly Hills Caravan Site.
- Our assessment indicates, in conjunction with our recommended mitigation measures, the change in noise levels associated with Phase 2 from the previous scheme to be inappreciable and should remain at or below the LOAEL with respect to the PPG-N, where "*Noise can be heard, but does not cause any change in behaviour or attitude. Can slightly affect the acoustic character of the area but not such that there is a perceived change in the quality of life*."

Kind regards

Matt Hill

Planning Director (MRTPI)

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